



























For everything you hold dear to your heart.
Catalogue 2010/2011

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Busch-Jaeger on market leadership.



Logistics Centre at the headquarters in Lüdenscheid

Busch-Jaeger Training Centre

The Aue factory with a production area of more than 14,000 m²



Since 1879, quality and reliability have been top priority at Busch-Jaeger. This applies to products and services equally. Thanks to our multiple award-winning products and solutions, we have achieved market leadership, while our comprehensive services have made us into a trusted partner for electrical installers and our customers.

From the close cooperation with our trading partners, customers, and referers from the architectural sector, we have been able to establish outstanding systems in the area of private household and functional building construction. As a member of the ABB Group, strong partners support us in the area of development.

The high standing of the Busch-Jaeger brand rounds off the high quality of your property and promotes the retention of its value.

MARKET LEADERSHIP IS A RESPONSIBILITY THAT WE FACE WITH COMPLETE CONVICTION. FOR MORE THAN 100 YEARS, THE BUSCH-JAEGER BRAND HAS BEEN PROVIDING OUR CUSTOMERS AND PARTNERS WITH INNOVATIVE PRODUCTS AND EXCELLENT SERVICES. THE TRUST WE ARE GIVEN IS A RESPONSIBILITY AND MOTIVATION FOR A COMMON, GUARANTEED FUTURE.

In the factory at our headquarters in Lüdenscheid, we have more than 800 employees on a total area of 114,000 m².



In future, as well, we want to maintain our market leadership and continue to develop our close relationships with our partners and customers. For us, Germany as a location is thus absolutely vital for guaranteeing the high quality standards of our products and solutions.



Busch-Jaeger
on sustainability.



The beauty of reason – three examples for resource-saving building control systems:



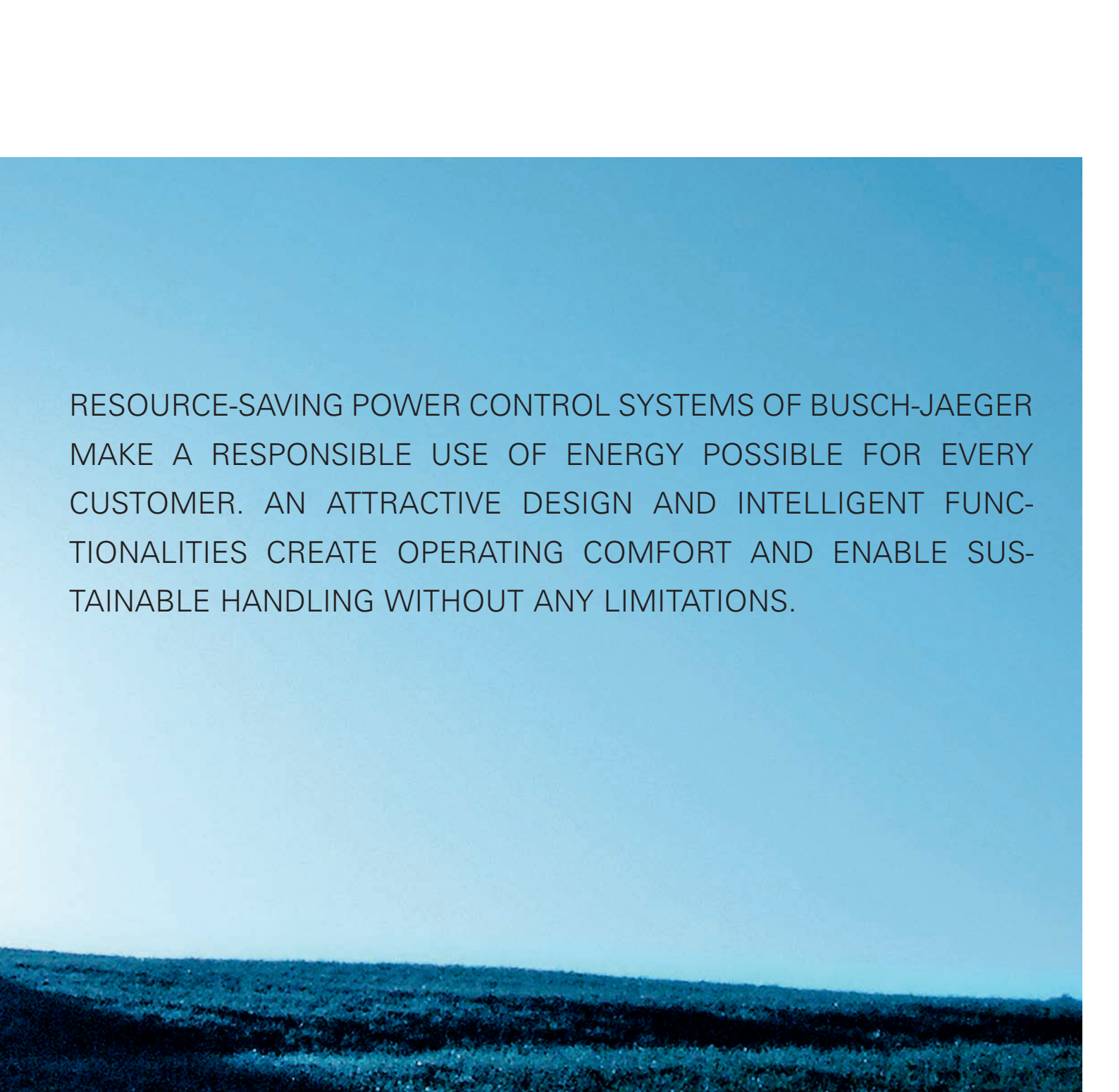
Busch-axcent[®]
Temperature controller



Busch-priOn[®]



Busch-Comfort Touch[®]



RESOURCE-SAVING POWER CONTROL SYSTEMS OF BUSCH-JAEGER MAKE A RESPONSIBLE USE OF ENERGY POSSIBLE FOR EVERY CUSTOMER. AN ATTRACTIVE DESIGN AND INTELLIGENT FUNCTIONALITIES CREATE OPERATING COMFORT AND ENABLE SUSTAINABLE HANDLING WITHOUT ANY LIMITATIONS.

The new generation of house and building control of Busch-Jaeger adapts to the changed habits and requirements for an environmentally conscious life. Innovative switching technology and concepts provide for a clear reduction in the power consumption. Intelligent connections of the complete house control system with useful information and entertainment functions create synergies and save additional consumption.

With their versatile networking capability, Busch-Jaeger products enable easy, impressive control of all parts of your home with a comprehensive operation philosophy.

Responsible, sustainable behaviour thus becomes a daily experience.

DESIGN SHAPES OUR LIFE. DESIGN VISUALISES OUR DEMANDS. DESIGN EXCITES INTEREST IN FUNCTION. WITH ITS MULTIPLE AWARD-WINNING DESIGN, BUSCH-JAEGER PROVIDES SUITABLE, FUTURE-LOOKING, FORMALLY AND FUNCTIONALLY EXCELLENT ROOM CONTROL SYSTEMS. THE RANGE OF OUR DESIGNS FULFILS EVERY INDIVIDUAL TASTE.



pure stainless steel



Busch-priOn®
Rotary control element,
glass black



As a special prize for the "best of the best," Busch-priOn® received the "red dot award: communication design 2008" for the interface design.



ocean®
blue-green



LEAN- and SMARTtouch
Real glass frame, white with aluminium face





The multiple award-winning design of Busch-Jaeger is characterised by the harmonisation of form and function. Optics, haptics, and intuitive user guidance are equally designed for offering users with very high demands on style and comfort a trend-setting building control system.

Select materials, innovative refinement technologies, and intelligent modelling, however, not only provide for comfortable use, but also fulfil all customer demands on suitability for daily use and long-term customer satisfaction.

The versatile network capability combines complete house control with useful information and entertainment functions. All living spaces can thus be controlled and monitored intuitively and comprehensively.

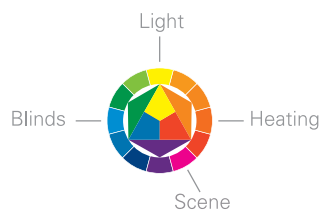
Everyday experiences thus become personal. Centralised, networked, and fascinatingly easy.

Busch-Jaeger
on comfort.

COMFORT MEANS FULFILLING THE GROWING DEMANDS ON MONITORING AND CONTROL FUNCTIONS WITHOUT INCREASING EXPENSE. LIGHT, HEAT, ATMOSPHERE, ACOUSTICS, SAFETY: UNLIMITED POSSIBILITIES THAT CAN BE REGULATED TO THE HIGHEST COMFORT POSSIBLE WITH BUSCH-JAEGER.



Busch-priOn®
Stainless steel



The colour concept of Busch-priOn® makes the control area conceivable quickly and easily:

- Lighting control is yellow like the sun
- Blind functions are blue like the sky
- Climate control functions are orange to suggest warmth
- Living scenes are magenta to suggest quality of life



Comfortable functionality creates freedom and brings your home back to life every day. The house control systems of Busch-Jaeger practically think for themselves and can be flexibly adapted to all kinds of requirements. No matter whether you want to increase energy efficiency, design an individual atmosphere, or fulfil your need for security. Due to the innovative operating concepts – like the unique Busch-*priOn*[®] colour concept for fast access to the desired control items – you can intuitively create a completely new experience and monitor and organize your home from anywhere at a snap of your fingers.

Comfort, however, also means very simple installation due to coordinated, easily combinable systems. Users are pleased with the intuitive, comfortable applications.

Busch-Jaeger
on possibilities.

THE KNOWLEDGE OF POSSIBILITIES CREATES INSPIRATION. ON OUR INTERNET SITE, BUSCH-JAEGER HAS CREATED A VIRTUAL WORLD THAT LET YOU EXPERIENCE OUR PRODUCTS AND SOLUTIONS AND GIVE YOU A PREVIEW OF THE FUTURE POSSIBILITIES. POSSIBILITIES THAT CAN ALREADY BE REALISED TODAY – WITH BUSCH-JAEGER.



www.BUSCH-JAEGER.com

Living spaces change and experience a new definition. Bathrooms become wellness oases, kitchens become communication centres, and living areas become personalized habitats.

For every living space, Busch-Jaeger offers the appropriate products and solutions for every desired application. In the "Comfort," "Safety," and "Economic Efficiency" areas, all functions, control systems, and their interaction can be experienced online.

Beyond that, **Living Space**® offers insights into the home control system of tomorrow. Experience how the future with Busch-Jaeger can already arrive today.

Comfort

Audio/video systems make sure you have individually controlled music in every room of the house.

Communication systems offer the right connection for telephone, computer, and television in every room.

Cross-generational aids for the every day life of people who need help.

Design provides a personal note in your living spaces with the various switch ranges of Busch-Jaeger.



Safety

Overvoltage protection protects people and equipment.

A **presence simulation** protects the house with irregular switching sequences.

Blind control systems create atmosphere and, at the same time, protect against undesired access.

Fire protection offers vital safety through networked, early-warning smoke detectors.

WaveLINE wirelessly monitors all windows and doors in the house.

Building monitoring with the *Busch-Comfort-Touch®* monitors and controls all safety and comfort functions, from lighting and heating to music.

Economic efficiency

Automatic lighting provides sufficient lighting conditions as required and prevents unnecessary current consumption.

A **building control system** networks all system components in the house and guarantees friction-free interaction.

Using dimmers, a **lighting control system** provides atmosphere all through the day and prevents unnecessary power consumption.



www.BUSCH-JAEGER-catalogue.com

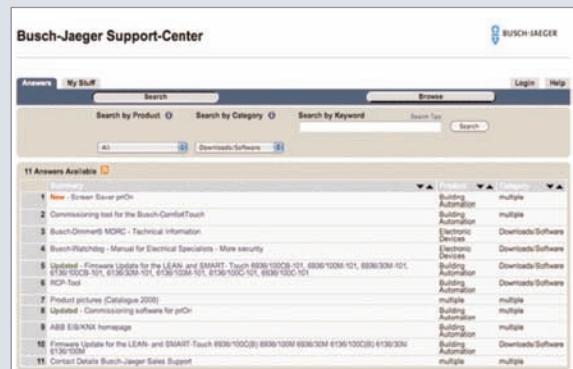
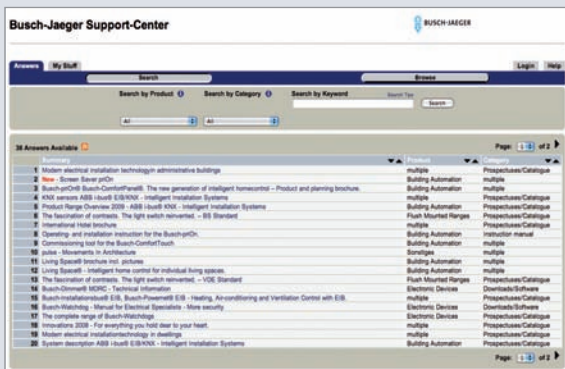
Project planning and folder lists The Busch-Jaeger online catalogue offers direct access to a complete overview of all products and applications of Busch-Jaeger. Here you will find all product details, including descriptions, product manuals, wiring diagrams and dimensional drawings.

In many areas, **tip and tricks** provided in advance make sure that you are prepared for your installations. Unnecessary trips for repairs or missing parts are thus prevented.

The **online parts list** provides with perfect project planning down to the last detail. In the front, you can already configure all parts you need. The system informs you automatically about the necessary elements.

You will obtain a complete **list of all individual items** with specification text, article number and order code. You can thus provide your own customers with a precise information.

FOR US, CUSTOMER SERVICE MEANS BEING AT THE SIDE OF OUR PARTNERS AND CUSTOMERS WITH ALL OUR SERVICES, SOLUTIONS, AND KNOWLEDGE. WHETHER ROUND THE CLOCK ON THE INTERNET, BY TELEPHONE AND FAX DURING BUSINESS HOURS, OR PERSONALLY BY APPOINTMENT ON SITE – BUSCH-JAEGER IS THERE WHEREVER YOU NEED US.



www.BUSCH-JAEGER-support.com

Product information and application support

The Busch-Jaeger Support Centre provides direct access to almost all information on our products, applications, and solutions. From comprehensive assortment brochures to detailed mounting instructions.

Just search by keyword or with our search categories:

Product search

Flush-mounted switch ranges, surface-mounted switch ranges, special connectors, electronics, building system technology, audio/video, and much more

Category search

FAQ, downloads/software, brochures/catalogues, operating instructions, applications, tender documents, article master data, circuit diagrams, manuals, press releases

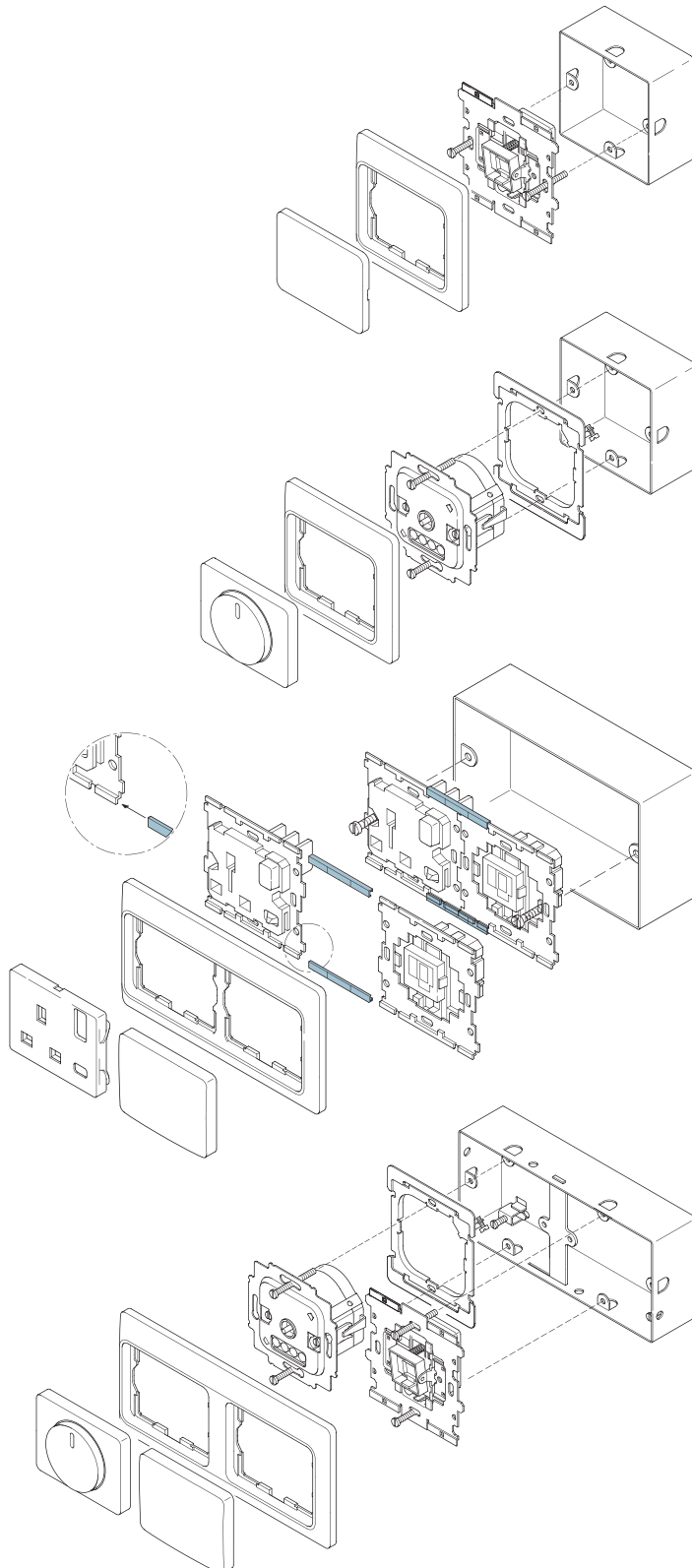
Important software, from current updates to the Busch-Jaeger product database, is available for download with all necessary programming elements.

In every desired zone, the special feedback function sends a message as soon as something is updated. You are thus always informed about the technical status of your installations and can download the latest updates directly.

Please note that, for the use of the of the Support Centre in your Internet browser, you must deactivate the POPUP BLOCKER.

Attention: In future, our entire catalogue will only be available from the Support Centre as a download in digital form (e-catalogue). If you wish, the Support Centre will inform you about current updates automatically.

British Standard – *alpha bs*®



alpha bs® offers a wide range of products for innovative installations.

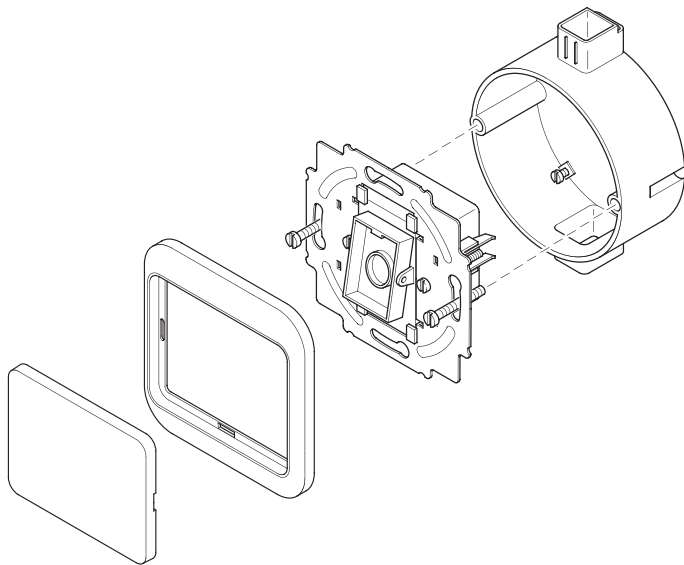
Specialities, like electronic devices, are to be installed with the help of an adapter plate.

With two mounting clips the most common products can be combined freely in a conventional 2gang box.

Full flexibility in product combinations is given by a dual box together with a dual cover frame.

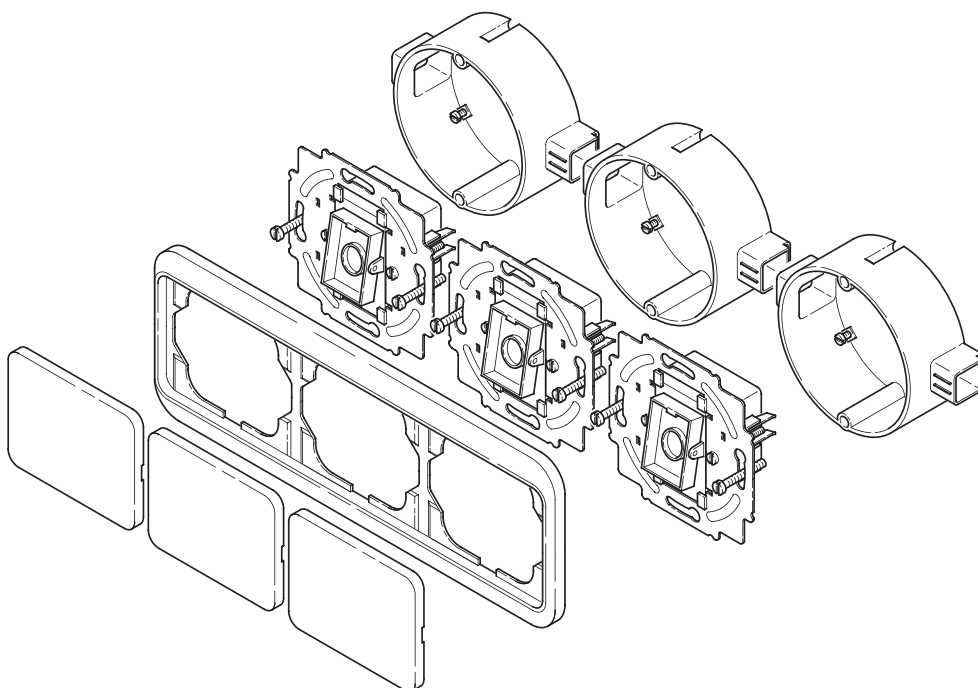
German Standard – Busch-Duro 2000[®] SI/SI Linear, Reflex SI/Reflex SI Linear, future[®]/future[®] linear, *alpha nea*[®], *alpha exclusive*[®], solo[®], *impuls*, *carat*[®], Busch-*axcent*[®]

**German Standard –
1gang**






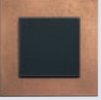


All other Busch-Jaeger product ranges except *alpha bs*[®] fit. German VDE wallbox that are available in both round (0440) and spare shape (CFBM 122, CFB 122)

**German Standard –
multi-gang**



For multi-gang applications just add further boxes and take a 2gang, 3gang, 4gang or 5gang cover frame.

		carat®			pure stainless steel	impuls
						
		C. studio white (84) C. similar to RAL 9016 F. bronze (821)	C. studio white (84) C. similar to RAL 9016 F. chrome (826-101)**	C. anthracite (81) C. similar to RAL 7021 F. stainless steel (860)	C./F. pure stainless steel (866)	C./F. alpine white (74) similar to RAL 9010
						
		C. studio white (84) C. similar to RAL 9016 F. stainless steel (860)	C. studio white (84) C. similar to RAL 9016 F. gold (823-101)**	C. anthracite (81) C. similar to RAL 7021 F. glass white (810)		C./F. ivory (72) similar to RAL 1013
						
		C. studio white (84) C. similar to RAL 9016 F. glass white (810)		C. anthracite (81) C. similar to RAL 7021 F. glass black (825)		C./F. brilliant black (71)* similar to RAL 9005
						
		C. studio white (84) C. similar to RAL 9016 F. glass black (825)		C. anthracite (81) C. similar to RAL 7021 F. bronze (821)		
13A BS switched socket outlet	Insert Cover 1gang Frame	2190 EUC-84 included 1721-xxx	2190 EUC-84 included 1721-xxx	2190 EUC-81 included 1721-xxx	2190 EUC-xx included 1721-xxxK	n/a
Schuko® socket outlet	Insert Cover 1gang Frame	20 EUC-84 included 1721-xxx	20 EUC-84 included 1721-xxx	20 EUC-81 included 1721-xxx	20 EUC-xx included 1721-xxxK	20 EUC-xx included 1721-xxx
Rocker switch 1gang 1way/ 2 way	Insert Cover 1gang Frame	2000/6 US-506 1786-84 1721-xxx	2000/6 US-506 1786-84 1721-xxx	2000/6 US-506 1786-81 1721-xxx	2000/6 US-506 1786-xx 1721-xxxK	2001/6 U 1786-xx 1721-xxx
Rocker switch 2gang 1way	Insert Cover 1gang Frame	2000/5 US-500 1785-84 1721-xxx	2000/5 US-500 1785-84 1721-xxx	2000/5 US-500 1785-81 1721-xxx	2000/5 US-500 1785-xx 1721-xxxK	2001/5 U 1785-xx 1721-xxx
Rocker switch 2gang 2way	Insert Cover 1gang Frame	2000/6/6 US-500 1785-84 1721-xxx	2000/6/6 US-500 1785-84 1721-xxx	2000/6/6 US-500 1785-81 1721-xxx	2000/6/6 US-500 1785-xx 1721-xxxK	2001/6/6 U 1785-xx 1721-xxx
Push switch 1gang 1way, normally opened	Insert Cover 1gang Frame	2020 US-500 1786-84 1721-xxx	2020 US-500 1786-84 1721-xxx	2020 US-500 1786-81 1721-xxx	2020 US-500 1786-xx 1721-xxxK	2021/6 U 1786-xx 1721-xxx
Rocker switch 1gang 1way/ 2 way with neon	Insert Cover 1gang Frame	2000/6 USGL 1789-84 1721-xxx	2000/6 USGL 1789-84 1721-xxx	2000/6 USGL 1789-81 1721-xxx	2000/6 USGL 1789-xx 1721-xxxK	2001/6 U 1786-xx 1721-xxx
Rocker switch 20A DP with NEON	Insert Cover 1gang Frame	1020/2 USK 1788-84 1721-xxx	1020/2 USK 1788-84 1721-xxx	1020/2 USK 1788-81 1721-xxx	1020/2 USK 1788-xx 1721-xxxK	n/a
Telephone insert single RJ11/12, RJ45 Cat. 3	Insert Cover 1gang Frame	0213 1803-84 1721-xxx	0213 1803-84 1721-xxx	0213 1803-81 1721-xxx	0213 1803-xx 1721-xxxK	0213 1803-xx 1721-xx
Computer insert single RJ45 Cat.5e	Insert Cover 1gang Frame	0216 1803-84 1721-xxx	0216 1803-84 1721-xxx	0216 1803-81 1721-xxx	0216 1803-xx 1721-xxxK	0216 1803-xx 1721-xxx
TV outlet single	Insert Cover 1gang Frame	023x-101*** 1743-84 1721-xxx	023x-101*** 1743-84 1721-xxx	023x-101*** 1743-81 1721-xxx	023x-101*** 1743-xx 1721-xxxK	023x-101*** 1743-xx 1721-xxx
Rotary dimmer 600 W incandescent lamps	Insert Cover 1gang Frame	2250 U 6540-84 1721-xxx	2250 U 6540-84 1721-xxx	2250 U 6540-81 1721-xxx	2250 U 6540-xx 1721-xxxK	2250 U 6540-xx 1721-xxx
Rotary dimmer 500 VA low-voltage halogen lamps	Insert Cover 1gang Frame	2247 U-500 6540-84 1721-xxx	2247 U-500 6540-84 1721-xxx	2247 U-500 6540-81 1721-xxx	2247 U-500 6540-xx 1721-xxxK	2247 U-500 6540-xx 1721-xxx

solo®

n/a	n/a	2190 EUC-84 included 1721-84	2190 EUC-xx included 1721-xx	2190 EUC-xx included 1721-xx	2190 EUC-803 included 1721-80G
20 EUC-xx included 1721-xxx	20 EUC-xx included 1721-xxx	20 EUC-84 included 1721-84	20 EUC-xx included 1721-84	20 EUC-xx included 1721-84	20 EUC-803 included 1721-80G
2001/6 U 1786-xx 1721-xxx	2001/6 U 1786-xx 1721-xxx	2000/6 US-506 1786-84 1721-84	2000/6 US-506 1786-xx 1721-xx	2000/6 US-506 1786-xx 1721-xx	2000/6 US-506 1786-xx 1721-80G
2001/5 U 1785-xx 1721-xxx	2001/5 U 1785-xx 1721-xxx	2000/5 US-500 1785-84 1721-84	2000/5 US-500 1785-xx 1721-xx	2000/5 US-500 1785-xx 1721-xx	2000/5 US-500 1785-803 1721-80G
2001/6/6 U 1785-xx 1721-xxx	2001/6/6 U 1785-xx 1721-xxx	2000/6/6 US-500 1785-84 1721-84	2000/6/6 US-500 1785-xx 1721-xx	2000/6/6 US-500 1785-xx 1721-xx	2000/6/6 US-500 1785-803 1721-80G
2021/6 U 1786-xx 1721-xxx	2021/6 U 1786-xx 1721-xxx	2020 US-500 1786-84 1721-84	2020 US-500 1786-xx 1721-xx	2020 US-500 1786-xx 1721-xx	2020 US-500 1786-803 1721-80G
2001/6 U 1786-xx 1721-xxx	2001/6 U 1786-xx 1721-xxx	2000/6 USGL 1789-84 1721-84	2000/6 USGL 1789-xx 1721-xx	2000/6 USGL 1789-xx 1721-xx	2000/6 USGL 1789-xx 1721-80G
n/a	n/a	1020/2 USK 1788-84 1721-84	1020/2 USK 1788-xx 1721-xx	1020/2 USK 1788-xx 1721-xx	1020/2 USK 1788-803 1721-80G
0213 1803-xx 1721-xx	0213 1803-xx 1721-xx	0213 1803-84 1721-84	0213 1803-xx 1721-xx	0213 1803-xx 1721-xx	0213 1803-803 1721-80G
0216 1803-xx 1721-xxx	0216 1803-xx 1721-xxx	0216 1803-84 1721-84	0216 1803-xx 1721-xx	0216 1803-xx 1721-xx	0216 1803-803 1721-80G
023x-101 *** 1743-xx 1721-xxx	023x-101 *** 1743-xx 1721-xxx	023x-101 *** 1743-84 1721-84	023x-101 1743-xx 1721-xx	023x-101 1743-xx 1721-xx	023x-101 *** 1743-803 1721-80G
2250 U 6540-xx 1721-xxx	2250 U 6540-xx 1721-xxx	2250 U 6540-84 1721-84	2250 U 6540-xx 1721-xx	2250 U 6540-xx 1721-xx	2250 U 6540-803 1721-80G
2247 U-500 6540-xx 1721-xxx	2247 U-500 6540-xx 1721-xxx	2247 U-500 6540-84 1721-84	2247 U-500 6540-xx 1721-xx	2247 U-500 6540-xx 1721-xx	2247 U-500 6540-803 1721-80G

Busch-axcent®

alpha exclusive®

alpha nea®



C. studio white (84)
F. studio white (284)**



C. studio white (84)
F. yellow (285)
F. similar to RAL 1018**



C. studio white (84)
F. green (286)
F. similar to RAL 6032**



C. studio white (84)
F. red (287)
F. similar to RAL 3020**



C. studio white (84)
F. blue (288)
F. similar to RAL 5002**



C./F. ivory white (22G)
similar to RAL 1013



C./F. studio white (24)
similar to RAL 9016



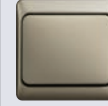
C./F. obsidian (255)*
similar to RAL 7021



C. amber (233)*
C. similar to RAL 8023
F. chrome (263)



C./F. titanium (266)



C./F. palladium (260)



C./F. ivory white (22G)
similar to RAL 1013



C./F. studio white (24)
similar to RAL 9016













C./F. studio white (24G)
similar to RAL 9016



C./F. hansa blue (28)
similar to RAL 8023

13A BS switched socket outlet	Insert Cover 1gang Frame	2190 EUC-84 included 1721-284	2190 EUC-84 included 1721-xxx	n/a	n/a	n/a
Schuko® socket outlet	Insert Cover 1gang Frame	20 EUC-84 included 1721-284	20 EUC-84 included 1721-xxx	20 EUC-xxx included 1721 KA-xxx	20 EUC-xxx included 1721 KA-xxx	20 EUC-xx included 1721-xx
Rocker switch 1gang 1way/ 2 way	Insert Cover 1gang Frame	2000/6 US-506 1786-84 1721-284	2000/6 US-506 1786-84 1721-xxx	2000/6 US-506 1786-xxx 1721 KA-xxx	2000/6 US-506 1786-xxx 1721 KA-xxx	2000/6 US-506 1786-xx 1721-xx
Rocker switch 2gang 1way	Insert Cover 1gang Frame	2000/5 US-500 1785-84 1721-284	2000/5 US-500 1785-84 1721-xxx	2000/5 US-500 1785-xxx 1721 KA-xxx	2000/5 US-500 1785-xxx 1721 KA-xxx	2000/5 US-500 1785-xx 1721-xx
Rocker switch 2gang 2way	Insert Cover 1gang Frame	2000/6/6 US-500 1785-84 1721-284	2000/6/6 US-500 1785-84 1721-xxx	2000/6/6 US-500 1785-xxx 1721 KA-xxx	2000/6/6 US-500 1785-xxx 1721 KA-xxx	2000/6/6 US-500 1785-xx 1721-xx
Push switch 1gang 1way, normally opened	Insert Cover 1gang Frame	2020 US-500 1786-84 1721-284	2020 US-500 1786-84 1721-xxx	2020 US-500 1786-xxx 1721 KA-xxx	2020 US-500 1786-xxx 1721 KA-xxx	2020 US-500 1786-xx 1721-xx
Rocker switch 1gang 1way/ 2 way with neon	Insert Cover 1gang Frame	2000/6 USGL 1789-84 1721-284	2000/6 USGL 1789-84 1721-xxx	2000/6 USGL 1789-xxx 1721 KA-xxx	2000/6 USGL 1789-xxx 1721 KA-xxx	2000/6 USGL 1789-xx 1721-xx
Rocker switch 20A DP with NEON	Insert Cover 1gang Frame	1020/2 USK 1788-84 1721-284	1020/2 USK 1788-84 1721-xxx	1020/2 USK 1788-xxx 1721 KA-xxx	1020/2 USK 1788-xxx 1721 KA-xxx	1020/2 USK 1788-xx 1721-xx
Telephone insert single RJ11/12, RJ45 Cat. 3	Insert Cover 1gang Frame	0213 1803-84 1721-284	0213 1803-84 1721-xxx	0213 1803-xxx 1721 KA-xxx	0213 1803-xxx 1721 KA-xxx	0213 1803-xx 1721-xx
Computer insert single RJ45 Cat.5e	Insert Cover 1gang Frame	0216 1803-84 1721-284	0216 1803-84 1721-xxx	0216 1803-xxx 1721 KA-xxx	0216 1803-xxx 1721 KA-xxx	0216 1803-xx 1721-xx
TV outlet single	Insert Cover 1gang Frame	023x-101*** 1743-84 1721-284	023x-101*** 1743-84 1721-xxx	1743-01-xx-500 included 1721 KA-xxx	1743-01-xx-500 included 1721 KA-xxx	1743-01-xx-500 included 1721-xx
Dimmer 600 W incandescent lamps	Insert Cover 1gang Frame	2250 U 6540-84 1721-284	2250 U 6540-84 1721-xxx	2250 U 6540-xx 1721 KA-xxx	2250 U 6540-xx 1721 KA-xxx	2250 U 6540-xx 1721-xx
Dimmer 500 VA low-voltage halogen lamps	Insert Cover 1gang Frame	2247 U-500 6540-84 1721-284	2247 U-500 6540-84 1721-xxx	2247 U-500 6540-xx 1721 KA-xxx	2247 U-500 6540-xx 1721 KA-xxx	2247 U-500 6540-x 1721-xx

	alpha bs®		future®*		future® linear		Busch-Duro 2000® SI/ SI Linear/ Reflex SI/SI Linear
							
C. hansa blue (28)* C. similar to RAL 5011 F. platinum (20)	C./F. ivory white (22G) similar to RAL 1013	C. ivory white (22G) F. gold (23G-101)**	C./F. savanna/ ivory white (82)* similar to RAL 1013	C./F. savanna/ ivory white (82) similar to RAL 1013	C./F. aluminum/silver (83) similar to RAL 9006	C./F. ivory white (212) similar to RAL 1013	
							
C. brown (26)* F. bronze (21)	C./F. studio white (24G) similar to RAL 9016	C./F. bronze (21)	C./F. studio white (84)* similar to RAL 9016	C./F. studio white (84) similar to RAL 9016		C./F. ivory white (212) similar to RAL 1013	
							
C./F. platinum (20)	C./F. titanium (266)	C./F. platinum (20)	C./F. manhattan/ graphite (85)*	C./F. anthracite (81)* similar to RAL 7021		C./F. alpin white (214) similar to RAL 9010	
							
C./F. bronze (21)	C./F. palladium (260)		C./F. stone/light grey (89)* similar to RAL 7038	C./F. stone/light grey (89)* (89)*		C./F. alpin white (214) similar to RAL 9010	
n/a	2190 EUCGL/2-xx (DP with neon lamp) 1721 BS-xx	2190 EUCGL/2-xx (DP with neon lamp) 1721 BS-xx	2190 EUC-xx included 1721-1xx	2190 EUC-xx included 1721-1xxK	2190 EUC-xx included 1721-1xxK	n/a	
20 EUC-xxx included 1721-xxx	20 EUC-xx + APBS included 1721 BS-xx	20 EUC-xx + APBS included 1721 BS-xx	20 EUC-xx included 1721-1xx	20 EUC-xx included 1721-1xx	20 EUC-xx included 1721-1xx	20 EUC-xxx included 2511-xxxK	
2000/6 US-506 1786-xxx 1721-xxx	2002/1 SUBS (1way) or 2002/6 SUBS (2way) 1786-xx/1721 BS-xx	2002/1 SUBS (1way) or 2002/6 SUBS (2way) 1786-xx/1721 BS-xx	2000/6 US-506 1786-xx 1721-1xx	2000/6 US-506 1786-xx 1721-1xxK	2000/6 US-506 1786-xx 1721-1xxK	2000/6 US-506 2506-xxx 2511-xxxK	
2000/5 US-500 1785-xxx 1721-xxx	2002/5 SUBS 1785-xx 1721 BS-xx	2002/5 SUBS 1785-xx 1721 BS-xx	2000/5 US-500 1785-xx 1721-1xx	2000/5 US-500 1785-xx 1721-1xxK	2000/5 US-500 1785-xx 1721-1xxK	2000/5 US-500 2505-xxx 2511-xxxK	
2000/6/6 US-500 1785-xxx 1721-xxx	2003/6/6 SUBS 1785-xx-101 1721 BS-xx	2003/6/6 SUBS 1785-xx-101 1721 BS-xx	2000/6/6 US-500 1785-xx 1721-1xx	2000/6/6 US-500 1785-xx 1721-1xx	2000/6/6 US-500 1785-xx 1721-1xx	2000/6/6 US-500 2505-xxx 2511-xxxK	
2020 US-500 1786-xxx 1721-xxx	2020 UBS 1786-xx 1721 BS-xx	2020 UBS 1786-xx 1721 BS-xx	2020 US-500 1786-xx 1721-1xx	2020 US-500 1786-xx 1721-1xxK	2020 US-500 1786-xx 1721-1xxK	2020 US-500 2506-xxx 2511-xxxK	
2000/6 USGL 1789-xxx 1721-xxx	2002/1 SUBS (1way) Or 2002/6 SUBS (2way)+8350 1789-xx/1721 BS-xx	2002/1 SUBS (1way) Or 2002/6 SUBS (2way)+8350 1789-xx/1721 BS-xx	2000/6 USGL 1789-xx 1721-1xx	2000/6 USGL 1789-xx 1721-1xxK	2000/6 USGL 1789-xx 1721-1xxK	2000/6 USGL 2509-xxx 2511-xxxK	
1020/2 USK 1788-xxx 1721-xxx	1020/2 USKBS-101 1788-xx 1721 BS-xx	1020/2 USKBS-101 1788-xx 1721 BS-xx	1020/2 USK 1788-xx 1721-xx	1020/2 USK 1788-xx 1721-1xxK	1020/2 USK 1788-xx 1721-1xxK	1020/2 USK 2508-xxx 2511-xxxK	
0213 1803-xxx 1721-xxx	0213 + APBS 1803-xx 1721 BS-xx	0213 + APBS 1803-xx 1721 BS-xx	0213 1803-xx 1721-xx	0213 1803-xx 1721-1xxK	0213 1803-xx 1721-1xxK	0213 1803-xxx 2511-xxxK	
0216 1803-xxx 1721-xxx	0216 + APBS 1803-xx 1721 BS-xx	0216 + APBS 1803-xx 1721 BS-xx	0216 1803-xx 1721-xx	0216 1803-xx 1721-1xxK	0216 1803-xx 1721-1xxK	0216 1803-xxx 2511-xxxK	
1743-01-xx-500 included 1721-xxx	1743-01 BS-xx included 1721 BS-xx	1743-01 BS-xx included 1721 BS-xx	023x-101*** 1743-xx 1721-1xx	023x-101*** 1743-xx 1721-1xxK	023x-101*** 1743-xx 1721-1xxK	1743-01-xxx-500 included 2511-xxxK	
2250 U 6540-xxx 1721-xxx	2250 U + APBS 6540-xx 1721 BS-xx	2250 U + APBS 6540-xx 1721 BS-xx	2250 U 6540-xx 1721-1xx	2250 U 6540-xx 1721-1xxK	2250 U 6540-xx 1721-1xxK	2250 U 2115-xxx 2511-xxxK	
2247 U-500 6540-xxx 1721-xxx	2247 U-500 + APBS 6540-xx 1721 BS-xx	2247 U-500 + APBS 6540-xx 1721 BS-xx	2247 U-500 6540-xx 1721-1xx	2247 U-500 6540-xx 1721-1xxK	2247 U-500 6540-xx 1721-1xxK	2247 U-500 2115-xxx 2511-xxxK	

Different by design



YOUR SENSE OF STYLE IS UNIQUE. WITH ALPHA BS® SWITCHES YOU CAN EXPRESS IT IN EVERY DETAIL OF YOUR HOME, ADDING A FRESH, INNOVATIVE TOUCH THAT WILL ENHANCE CONTEMPORARY AND TRADITIONAL INTERIORS ALIKE. DESIGNED TO MEET THE HIGHEST SAFETY STANDARDS AND CONSTRUCTED FROM THE MOST DURABLE, SCRATCH-RESISTANT MATERIALS, ALPHA BS® SWITCHES WILL STAY SAFE AND STYLISH FOR A LIFETIME.



ivory

NEW



studio white



palladium



platinum



gold/ivory



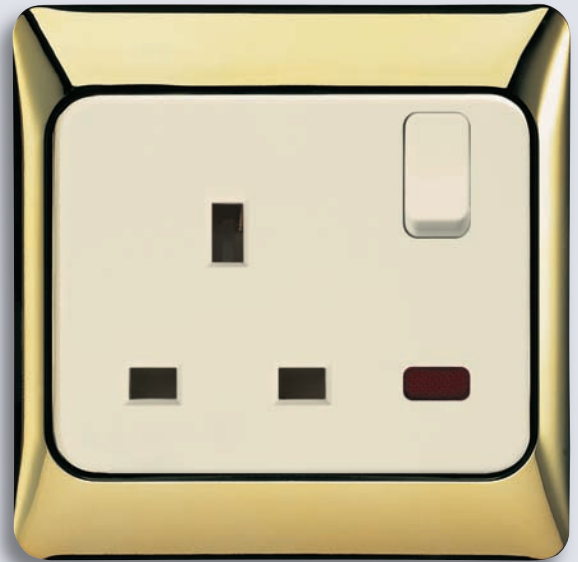
bronze



titanium



NEW 1gang switch.
Colour: gold/ivory



NEW Socket outlet.
Colour: gold/ivory

Rocker switches	26
Cover plates	29
Busch Watchdog	37
Cover frame	40
Dimmer inserts	312
KNX sensors	409

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Doorbell switch



Busch-Memory 2gang dimmer



IR sensor with 1fold control element



45 A Double pole switch mechanism



Busch-Comfort switch



Rocker switch 1gang with labelling field



Card switch



15A DP switched socket outlet



13 A DP switched socket outlet



20A DP switch



13A connection unit with flex outlet



Busch-Blind control switch



Data communication outlet



Data communication outlet 2gang



Busch-Blind control II



Comfort timer



Room thermostat with display

The *alpha bs*[®] switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor 1fold*



KNX sensor 2fold*



KNX sensor 4fold*



KNX USB interface*



KNX Flush-mounted LCD-Display*

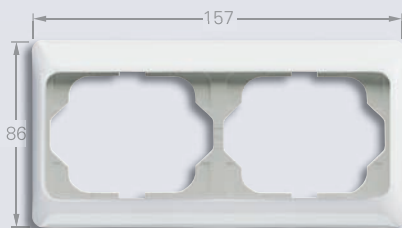
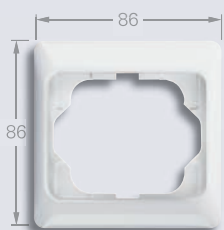


KNX Flush-mounted IR interface*





KNX Flush-mounted movement detector*


Frames for installation in BS one gang, two gang and dual gang box.




*Please find further information in the chapter ABB i-bus® KNX.


Product	Article-No.	Order-No.	Pack/Qty
	10 AX Rocker Switch Mechanism screw-type terminals Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1		
	1gang 1way SP 2002/1 SUBS	1012-0-2077	10/100
	1gang 2way SP 2002/6S UBS	1012-0-2079	10/100
	1gang intermediate 2002/7S UBS	1012-0-2080	10
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	illuminable with neon lamp 8338-1.		


	10 AX Push Switch Mechanism 1gang 1way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022 SUBS	1413-0-1055	10
	Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.	
	2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).	
neon indicator:	illuminable with neon lamp 8338-1.		


	10 AX Push Switch Mechanism 1gang 2way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022/6 SUBS	1413-0-1057	10
	Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.	
	2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).	
neon indicator:	illuminable with neon lamp 8338-1.		


	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.			
	20 platinum ¹⁾	1786-20	1751-0-1617	10/100
	21 bronze ¹⁾	1786-21	1751-0-1708	10/100
	22G ivory	1786-22G	1751-0-2482	10/100
24 studiowhi te	1786-24	1751-0-1849	10/100	
260 palladium ¹⁾	1786-260	1751-0-2821	10/100	
266 titanium ¹⁾	1786-266	1751-0-2832	10/100	


1) Realm etal surface.


Product	Article-No.	Order-No.	Pack/Qty	
	Switch rocker With bell symbol For flush mounted push switch.			
	20 platinum ¹⁾	1789 KI-20	1751-0-1641	10
	21 bronze ¹⁾	1789 KI-21	1751-0-1732	10
	22G ivory	1789 KI-22G	1751-0-2524	10
	24 studio white	1789 KI-24	1751-0-1872	10
	24G studio white	1789 KI-24G	1751-0-2235	10
	26 brown ¹⁾	1789 KI-26	1751-0-2921	10
	28 hansa blue ¹⁾	1789 KI-28	1751-0-2250	10
	1) Real metal surface. *) Phase-out type			


	Switch rocker With transparent lens. With symbol For flush mounted push switch.			
	20 platinum ¹⁾	1789 LI-20	1751-0-1633	10
	21 bronze ¹⁾	1789 LI-21	1751-0-1724	10
	22G ivory	1789 LI-22G	1751-0-2516	10
	24 studio white	1789 LI-24	1751-0-1864	10
	260 palladium ¹⁾	1789 LI-260	1751-0-2828	10/100
	266 titanium ¹⁾	1789 LI-266	1751-0-2839	10/100
	1) Real metal surface.			


	Switch rocker With transparent lens. With key symbol For flush mounted push switch.			
	20 platinum ¹⁾	1789 TR-20	1751-0-1658	10
	21 bronze ¹⁾	1789 TR-21	1751-0-1740	10
	22G ivory	1789 TR-22G	1751-0-2532	10
	24 studio white	1789 TR-24	1751-0-1880	10
	260 palladium ¹⁾	1789 TR-260	1751-0-2830	10
	266 titanium ¹⁾	1789 TR-266	1751-0-2841	10
	1) Real metal surface.			


	10 AX Push Switch Mechanism 2gang 1way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 A BS EN 60669-1, IEC 60669-1		
	2022/5 SUBS	1413-0-1056	10/100
	Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.	
	2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).	
neon indicator:	illuminable with neon lamp 8338-1.		


Product	Article-No.	Order-No.	Pack/Qty
	10 AX Rocker Switch Mechanism 2gang 1way With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1 2002/5 SUBS	1012-0-2078	10/100
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	illuminable with neon lamp 8338-1.		

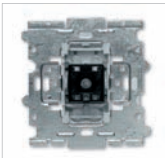
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
20 platinum ¹⁾	1785-20	1751-0-1682	10
21 bronze ¹⁾	1785-21	1751-0-1773	10/100
22G ivory	1785-22G	1751-0-2565	10
24 studiowhi te	1785-24	1751-0-1914	10
260 palladium ¹⁾	1785-260	1751-0-2827	10/100
266 titanium ¹⁾	1785-266	1751-0-2838	10/100
1) Realm etalsurf ace.			


	10 AX Rocker Switch Mechanism 2gang 2way SP With screw-type terminal. Rated voltage: 250 V~ Rated current: 10 AX BS EN 60669-1, IEC 60669-1 2003/6/6 SUBS	1012-0-2081	10/100
Mounting boxes:	min. 25 mm deep flush 1gang		
2gang product combinations:	For 2gang combination use Dual Box 3070-2/35 BSDB		
neon indicator:	notappl icable		


	Switch rocker only for flush mounted switch 2g 2w		
20 platinum ¹⁾	1785-20-101	1751-0-2889	10
21 bronze ¹⁾	1785-21-101	1751-0-2706	10
22G ivory	1785-22G-101	1751-0-2890	10
24 studiowhi te	1785-24-101	1751-0-2891	10
260 palladium ¹⁾	1785-260-101	1751-0-2893	10
266 titanium ¹⁾	1785-266-101	1751-0-2894	10
1) Realm etalsurf ace.			


	16 AX Rocker Switch Mechanism 3 gang 1way, SP screwless terminals Rated voltage: 250 V~ Rated current: 16 AX BS EN 60669-1, IEC 60669-1 106/3/1UB S	1012-0-2076	10/100
Mounting boxes:	min. 25 mm deep flush 1gang		
2gang product combinations:	For 2gang combination use Dual Box 3070-2/35 BSDB		
neon indicator:	notappl icable		

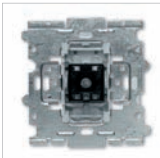
Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 3gang,		
20 platinum ¹⁾	1783-20	1751-0-2865	10
21 bronze ¹⁾	1783-21	1751-0-2866	10
22G ivory	1783-22G	1751-0-2867	10
24 studio white	1783-24	1751-0-2425	10
24G studio white	1783-24G	1751-0-2433	10
260 palladium ¹⁾	1783-260	1751-0-2877	10
266 titanium ¹⁾	1783-266	1751-0-2878	10
1) Surface painted.			


	20 A Double Pole Switch 1gang 1way With screw-type terminal. Rated voltage: 250 V~ Rated current: 20 A BS EN 60669-1, IEC 60669-1 1020/2 USBS-101	1020-0-0057	10/100
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		


	20 A Switch Rocker with marking "IO"		
20 platinum ¹⁾	1786 IO-20	1751-0-2899	10
21 bronze ¹⁾	1786 IO-21	1751-0-2900	10
22G ivory	1786 IO-22G	1751-0-2722	10
24 studio white	1786 IO-24	1751-0-2723	10
260 palladium ¹⁾	1786 IO-260	1751-0-2901	10
266 titanium ¹⁾	1786 IO-266	1751-0-2902	10
1) Real metal surface.			

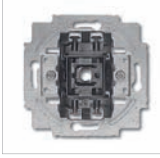
	20 A Switch Rocker With red neon lens and marking As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
20 platinum ¹⁾	1788-20	1751-0-1674	10
21 bronze ¹⁾	1788-21	1751-0-1765	10
22G ivory	1788-22G	1751-0-2557	10
24 studio white	1788-24	1751-0-1906	10
260 palladium ¹⁾	1788-260	1751-0-2823	10
266 titanium ¹⁾	1788-266	1751-0-2834	10
1) Real metal surface.			


	20 A Switch Rocker ¹⁾ with red neon lens, with marking "water heater" 1gang 1way DP, neon lamp		
20 platinum	1788 WH-20	1751-0-2715	10
21 bronze	1788 WH-21	1751-0-2716	10
22G ivory	1788 WH-22G	1751-0-2717	10
24 studio white	1788 WH-24	1751-0-2718	10
260 palladium	1788 WH-260	1751-0-2896	10
266 titanium	1788 WH-266	1751-0-2897	10
1) Real metal surface.			


Product	Article-No.	Order-No.	Pack/Qty
	20 A Double Pole Switch 1gang 1way With neon lamp, with screw type terminals. Rated voltage: 250 V~ Rated current: 20 A BS EN 60669-1, IEC 60669-1		
	1020/2US KBS-101	1020-0-0058	10/100
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	switch 1020/2 USKBS-101 delivered with neon lamp		


	Switch rocker With transparent lens. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1787-20	1751-0-2045	10
21 bronze ¹⁾	1787-21	1751-0-2052	10
22G ivory	1787-22G	1751-0-2508	10
24 studio white	1787-24	1751-0-2060	10
260 palladium ¹⁾	1787-260	1751-0-2824	10/100
266 titanium ¹⁾	1787-266	1751-0-2835	10/100
1) Real metal surface.			


	Switch rocker ^{1) 2) 3)} With label area For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm. Illuminable.		
20 platinum ⁴⁾	1781-20	1751-0-1666	10
21 bronze ⁴⁾	1781-21	1751-0-1757	10
22G ivory	1781-22G	1751-0-2540	10
24 studio white	1781-24	1751-0-1898	10
260 palladium ⁴⁾	1781-260	1751-0-2822	10
266 titanium ⁴⁾	1781-266	1751-0-2833	10
1) The labels are clamped under the labelling field. 2) See labelling sheet 1799 xx. 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts. 4) Real metal surface.			

	Rocker Switch Mechanism DP screw-type terminals Rated voltage: 250 V~ Rated current: 20 A IEC 60669-1 1gang 1way, normally open contact ¹⁾		
	1020/2US	1020-0-0023	10/100
	Switch ²⁾		
	1020/2US K	1020-0-0031	10/100
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts. 2) Replacement lamps 8360, 8362, and 8363 and LED inserts.			

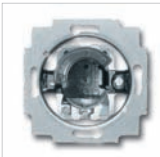
	Blind switch insert ¹⁾ With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch		
	2000/4 US	1012-0-1309	10/100
	SP, push switch		
	2020/4US	1413-0-0590	10/100
1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
20 platinum ¹⁾	1785 JA-20	1751-0-1823	10
21 bronze ¹⁾	1785 JA-21	1751-0-1831	10
22G ivory	1785 JA-22G	1751-0-2581	10
24 studio white	1785 JA-24	1751-0-1922	10
260 palladium ¹⁾	1785 JA-260	1751-0-2831	10/100
266 titanium ¹⁾	1785 JA-266	1751-0-2842	10/100
1) Real metal surface.			


	13A Fuse Connection Unit with Flex Outlet SP switched for cables up to 11 mm Rated voltage: 250 V~ Rated current: 13 A BS 1363: part4		
20 platinum ¹⁾	1910 U/2-20	1001-0-0001	10
21 bronze ¹⁾	1910 U/2-21	1001-0-0002	10
22 ivory	1910 U/2-22	1001-0-0003	10/100
24 studio white	1910 U/2-24	1001-0-0005	10/100
260 palladium ²⁾	1910 U/2-260	1001-0-0021	10
266 titanium	1910 U/2-266	1001-0-0023	10
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	not applicable		
1) Real metal surface. 2) Surface painted.			


	13A Fuse Connection Unit with Flex Outlet With neon lamp. SP switched for cables up to 11 mm Rated voltage: 250 V~ Rated current: 13 A BS 1363: part4		
20 platinum ¹⁾	1910 U/2 GL-20	1001-0-0010	10
21 bronze ¹⁾	1910 U/2 GL-21	1001-0-0011	10
22 ivory	1910 U/2 GL-22	1001-0-0012	10/100
24 studio white	1910 U/2 GL-24	1001-0-0014	10/100
260 palladium ²⁾	1910 U/2 GL-260	1001-0-0022	10
266 titanium	1910 U/2 GL-266	1001-0-0024	10
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	incorporated		
1) Real metal surface. 2) Surface painted.			




Product	Article-No.	Order-No.	Pack/Qty
	Key Switch Insert ^{1) 2) 3)} SP, 1gang 1way switch For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
2733US L-101	1101-0-0914	10	
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
neon indicator:	not applicable		
delivery form:	Adapter plate APBS to be ordered separate.		
1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.) 2) Use profile semi-cylindrical lock as per drawing. See technical information. 3) See profile semi-cylindrical lock.			


	DIN profile-semi cylindrical lock acc. to German Standard DIN 18252 Total length 40 mm for blind switches and push switches For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.		
	lock mechanism, with 3 keys 0521 PZ-GS	0470-0-0021	1
	different lock mechanism, with 3 keys 0520PZ-V S	0470-0-0013	1


	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
20 platinum	1755PZ-20-1 01	1710-0-1498	10
21 bronze ¹⁾	1755PZ-21 -101	1710-0-1506	10
22G ivory	1755PZ-22G-1 01	1710-0-2348	10
24 studiowhi te	1755PZ-24-1 01	1710-0-1514	10
260 palladium ¹⁾	1755PZ-260-1 01	1710-0-3303	10
266 titanium ¹⁾	1755PZ-266-1 01	1710-0-3329	10
1) Realm etalsurf ace.			


	Cover plate with marking. For half-cylindrical type switch. For insert 2733 USL-101.		
20 platinum	1755S LPZ-20-101	1710-0-1563	10
21 bronze ¹⁾	1755S LPZ-21-101	1710-0-1571	10
22G ivory	1755S LPZ-22G-101	1710-0-2355	10
24 studiowhi te	1755S LPZ-24-101	1710-0-1589	10
260 palladium ¹⁾	1755S LPZ-260-101	1710-0-3304	10
266 titanium ¹⁾	1755S LPZ-266-101	1710-0-3330	10
1) Realm etalsurf ace.			

Product	Article-No.	Order-No.	Pack/Qty
	Card-Switch 10 A ¹⁾ SP, with normally open contact (operating current) Illuminable. With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
delivery form:	Adapter plate APBS to be ordered separate.		
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.			

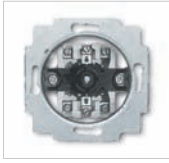
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
20 platinum ¹⁾	1792-20-101	1710-0-3293	10
21 bronze ¹⁾	1792-21-101	1710-0-3294	10
22G ivory	1792-22G-101	1710-0-3295	10
24 studio white	1792-24-101	1710-0-3296	10
260 palladium ¹⁾	1792-260-101	1710-0-3305	10
266 titanium ¹⁾	1792-266-101	1710-0-3331	10
1) Surface painted.			

	32 A Double Pole Switch Mechanism screw-type terminals Rated voltage: 250 V~ Rated current: 32 A BS EN 60669-1, IEC 60669-1		
	1032/2 UGL	1045-0-0001	10/100
Mounting boxes:	min. 35 mm deep flush 1gang (45 mm box depth recommended for extra wiring space)		
2gang product combinations:	For 2gang combination use Dual Box 3070-2/35 BSDB		
neon indicator:	ex factory provided with special neon indicator		

	45 A Double Pole Switch Mechanism screw-type terminals Rated voltage: 250 V~ Rated current: 45 A BS EN 60669-1, IEC 60669-1		
	1045/2 UGL	1045-0-0002	10/100
Mounting boxes:	min. 35 mm deep flush 1gang (45 mm box depth recommended for extra wiring space)		
2gang product combinations:	For 2gang combination use Dual Box 3070-2/35 BSDB		
neon indicator:	ex factory provided with special neon indicator		

	45 A and 32 A Switch Cover plate With red neon lens. for 45 A switch and 32 A switch, 1gang 1way		
20 platinum ¹⁾	1746/50-20	1710-0-3034	10
21 bronze ¹⁾	1746/50-21	1710-0-3035	10
22 ivory	1746/50-22	1710-0-3036	10
24 studio white	1746/50-24	1710-0-3037	10
260 palladium ¹⁾	1746/50-260	1710-0-3495	10
266 titanium ¹⁾	1746/50-266	1710-0-3496	10
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
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Blind switch insert 1) 2)
With rotary knob/switch and push switch.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1, British Standard EN 60669-1

DP			
2712U	1101-0-0534	10	
SP, N, E			
2713U	1101-0-0542	10	

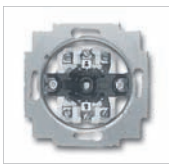
Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: Adapter plate APBS to be ordered separate.

- 1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.



Blind switch insert 1) 2)
With rotary knob/push button.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

DP			
2722U	1101-0-0559	10	
SP, N, E			
2723U	1101-0-0567	10	

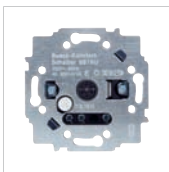
- 1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.



Cover plate
With rotary control, with marking
As cover for flush mounted blind control switch/push switch.
for inserts 2712 U, 2713 U and 2722 U, 2723 U.

20 platinum 1)	1740 DR-20	1753-0-1092	10
21 bronze 1)	1740D R-21	1753-0-1175	10
22G ivory	1740 DR-22G	1710-0-2330	10
24 studio white	1740 DR-24	1753-0-1555	10
260 palladium 1)	1740D R-260	1710-0-3302	10
266 titanium 1)	1740D R-266	1710-0-3328	10

- 1) Surface painted.



Busch-Comfort switch 2-wire insert 1) 2) 3)
2-wire connection.
For Busch-Comfort switch sensors 6815-xxx.
Operation in 1gang 2way installations via push switch-unit for combination with flush-mounted units.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 40 - 300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

⊕ ⊖ ⊕ ⊖	6815U	6800-0-2270	1/10
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Mounting boxes: 35 mm deep flush 1gang
or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG
or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

- 1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Comfort switch control cover 1)
With neon lamp.
For 2-wire insert 6815 U.
For relay insert 6816 U.
Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off.
Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off.
Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off.
Push switch function possible at all times.
Switch-off delay: 1 to 10 min., adjustable.
Surveillance density: 9 sectors with 28 switching segments.
Detection range: frontal: 5 m, lateral: 3 m
Detection angle: 170 °
Brightness limit value: 0.5 Lux - 300 Lux, Daytime operation
Mounting height: 0.8 m - 1.2 m
Protection class (Sensor): IP 20
Temperature range (Device): 0 °C to 35 °C

20 platinum 2)	6815-20	6800-0-2273	1/10
21 bronze 2)	6815-21	6800-0-2274	1/10
22G ivory	6815-22G	6800-0-2275	1/10
24 studio white	6815-24	6800-0-2276	1/10
260 palladium 2)	6815-260	6800-0-2282	1/10
266 titanium 2)	6815-266	6800-0-2283	1/10


- 1) Please order the respective flush mounted insert separately.
2) Surface painted.





Switch rocker
With transparent lens.
With bell symbol
For flush mounted push switch.


20 platinum 1)	1789 KI-20	1751-0-1641	10
21 bronze 1)	1789 KI-21	1751-0-1732	10
22G ivory	1789 KI-22G	1751-0-2524	10
24 studio white	1789 KI-24	1751-0-1872	10
260 palladium 1)	1789 KI-260	1751-0-2829	10
266 titanium 1)	1789 KI-266	1751-0-2840	10


- 1) Real metal surface.


Product	Article-No.	Order-No.	Pack/Qty
	13 A Switched socket outlet With neon lamp. DP switched 1gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum ¹⁾	2190 EUCGL/2-20	2190-0-0030	10/100
21 bronze ¹⁾	2190EUC GL/2-21	2190-0-0031	10
22 ivory	2190EUC GL/2-22	2190-0-0032	10/100
24 studiowhi te	2190EUC GL/2-24	2190-0-0033	10/100
260 palladium ¹⁾	2190EUC GL/2-260	2190-0-0125	10/100
266 titanium ¹⁾	2190EUC GL/2-266	2190-0-0133	10/100
Mounting boxes:	min. 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB ; 35 mm box depth recommended.		
Cover frames:	1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	incorporated		
delivery form:	insert and cover plate (cover frame to be ordered separately)		
1) Real metal surface.			

	13 A Switched socket Outlet DP switched two earth terminals 2gang Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
20 platinum ¹⁾	2190-02 EUC/2-20	2190-0-0148	1/10
21 bronze ¹⁾	2190-02EUC /2-21	2190-0-0149	1/10
22 ivory	2190-02EUC /2-22	2190-0-0153	10/60
24 studiowhi te	2190-02EUC /2-24	2190-0-0154	10/60
260 palladium ¹⁾	2190-02 EUC/2-260	2190-0-0150	1/10
266 titanium ¹⁾	2190-02 EUC/2-266	2190-0-0151	1/10
Mounting boxes:	min. 25 mm deep flush 2gang		
neon indicator:	not applicable		
1) Real metal surface.			


	13 A Switched socket Outlet With neon lamp. DP switched two earth terminals 2gang Rated voltage: 250 V~ BS 1363: part2		
20 platinum ¹⁾	2190-02EU-CGL/2-20	2190-0-0156	1/10
21 bronze ¹⁾	2190-02EU-CGL/2-21	2190-0-0157	1/10
22 ivory	2190-02EU-CGL/2-22	2190-0-0161	10/60
24 studiowhi te	2190-02EU-CGL/2-24	2190-0-0162	10/40
260 palladium ¹⁾	2190-02EU-CGL/2-260	2190-0-0158	1/10
266 titanium ¹⁾	2190-02EU-CGL/2-266	2190-0-0159	1/10
Mounting boxes:	min. 25 mm deep flush 2gang		
neon indicator:	incorporated		
1) Real metal surface.			

Product	Article-No.	Order-No.	Pack/Qty
	Busch Nema socket outlet with cover plate ¹⁾ 2-pole (2 P + E), 20 A For wall box 58 mm with screw fixation Without claw. Rated voltage: 125 V~ Rated current: 20 A		
24G studio white	3016 EUC-24G	2122-0-0028	10
1) Use in accordance with US Standard (e.g. in US military barracks).			


	15 A Switched socket outlet With neon lamp. DP 1gang Rated voltage: 250 V~ Rated current: 15 A BS 546		
20 platinum ¹⁾	2191 EUCGL/2-20	2191-0-0020	10/100
21 bronze ¹⁾	2191 EUCGL/2-21	2191-0-0021	10
22 ivory	2191 EUCGL/2-22	2191-0-0022	10/100
24 studio white	2191 EUCGL/2-24	2191-0-0023	10
260 palladium ¹⁾	2191 EUCGL/2-260	2191-0-0034	10/100
266 titanium ¹⁾	2191 EUCGL/2-266	2191-0-0036	10/100
Mounting boxes:	min. 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB ; 35 mm box depth recommended.		
Cover frames:	1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	incorporated		
delivery form:	insert and cover plate (cover frame to be ordered separately)		
1) Real metal surface.			


	Euro-American Socket Outlet 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A IEC 884-1		
20 platinum ¹⁾	2192 UC-20	2192-0-0078	10/100
21 bronze ¹⁾	2192 UC-21	2192-0-0086	10/100
22 ivory	2192 UC-22	2192-0-0110	10/100
24 studio white	2192 UC-24	2192-0-0011	10/100
260 palladium ¹⁾	2192 UC-260	2192-0-0184	10/100
266 titanium ¹⁾	2192 UC-266	2192-0-0185	10/100
Mounting boxes:	25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.		
Cover frames:	1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.		
2gang product combinations:	For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).		
neon indicator:	not applicable		
1) Real metal surface.			

	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20 MUC-20-500	2017-0-0808	10/100
21 bronze	20 MUC-21-500	2017-0-0811	10
22G ivory	20 MUC-22G-500	2017-0-0813	10
24G studio white	20 MUC-24G-500	2017-0-0815	10


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ^{1) 2)} With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20M UCKS-20-500	2017-0-0832	10
21 bronze	20M UCKS-21-500	2017-0-0835	10
22G ivory	20M UCKS-22G-500	2017-0-0802	10
24G studiowhi te	20M UCKS-24G-500	2017-0-0803	10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection"
2) Order-boundm anufacturing

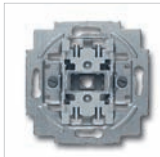
	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20M UCC-20-500	2017-0-0825	10
22G ivory	20M UCC-22G-500	2017-0-0828	10
24G studiowhi te	20M UCC-24G-500	2017-0-0829	10

	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
21 bronze ¹⁾	delivery on special request 2197EUC -21-500		
22G ivory	delivery on special request 2197 EUC-22G-500		
24G studiowhi te	delivery on special request 2197 EUC-24G-500		


1) Surface painted.

	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
21 bronze ¹⁾	delivery on special request 2196EUC -21-500		
22G ivory	delivery on special request 2196 EUC-22G-500		


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Light signal insert for push lamp Without cover. Rated voltage: 250 V~ for push-in lampnot included ¹⁾ 2061 U 1511-0-0062 10 for lamp with E-10 thread with E 10-thread ²⁾ 2661 U 1511-0-0096 10		
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
neon indicator:	2061 U is illuminable with lamps 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1. 2661 U is illuminable with lamps 8302, 8340, 8342, 8343 and 8341.		

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.


	Cover plate ¹⁾ For indication lamp For insert 2061/2661 U. As cover for flush-mounted light signal.		
20 platinum ²⁾	1756-20	1753-0-1506	10
21 bronze ²⁾	1756-21	1753-0-1522	10
22G ivory	1756-22G	1710-0-2413	10
24 studio white	1756-24	1753-0-1548	10
260 palladium ²⁾	1756-260	1710-0-3306	10
266 titanium ²⁾	1756-266	1710-0-3332	10

1) Transparent cap 1557-1x required.
2) Real metal surface.


	Cap Cap for light signal. As cover for flush-mounted light signal. For insert 2061/2661 U.		
11 clear-transparent	1557-11	1565-0-0134	10
12 red	1557-12	1565-0-0142	10
13 green	1557-13	1565-0-0159	10

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
20 platinum ¹⁾	1742-20	1753-0-1118	10
21 bronze ¹⁾	1742-21	1753-0-1431	10
22G ivory	1742-22G	1710-0-2389	10
24 studiowhi te	1742-24	1753-0-1571	10
260 palladium ¹⁾	1742-260	1710-0-3309	10/100
266 titanium ¹⁾	1742-266	1710-0-3335	10/100

1) Realm etal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
20 platinum ²⁾	1749-20	1710-0-0904	10
21 bronze ²⁾	1749-21	1710-0-0946	10
22G ivory	1749-22G	1710-0-2561	10
24 studiowhi te	1749-24	1710-0-0979	10
260 palladium ²⁾	1749-260	1710-0-3316	10
266 titanium ²⁾	1749-266	1710-0-3342	10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).
 2) Realm etal surface.


Product	Article-No.	Order-No.	Pack/Qty
	BT Telephone socket - Master British Type, Master 1gang BS 6312: part 2.2		
20 platinum ¹⁾	0280 BS-20	1711-0-0040	10
21 bronze ¹⁾	0280B S-21	1711-0-0043	10
22 ivory	0280B S-22	0230-0-0293	10/100
24 studiowhi te	0280B S-24	0230-0-0294	10/100
260 palladium ¹⁾	0280B S-260	1711-0-0034	10
266 titanium ¹⁾	0280B S-266	1711-0-0037	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: notappl icable

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	BT Telephone socket - Secondary Secondary, 1gang BS 6312: part 2.2		
20 platinum ¹⁾	0282 BS-20	1711-0-0042	10
21 bronze ¹⁾	0282B S-21	1711-0-0045	10
22 ivory	0282B S-22	0230-0-0340	10
24 studiowhi te	0282B S-24	1711-0-0046	10
260 palladium ¹⁾	0282B S-260	1711-0-0036	10
266 titanium ¹⁾	0282B S-266	1711-0-0039	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: notappl icable

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Telephone Socket RJ 11 RJ 11, Cat. 3 BS 6312: part 2.2, FCC 68		
20 platinum ¹⁾	0281 BS-20	1711-0-0041	10
21 bronze ¹⁾	0281 BS-21	1711-0-0044	10
22 ivory	0281 BS-22	0230-0-0298	10/100
24 studio white	0281 BS-24	0230-0-0299	10/100
260 palladium ¹⁾	0281 BS-260	1711-0-0035	10
266 titanium ¹⁾	0281 BS-266	1711-0-0038	10

Mounting boxes: 25 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.


2gang product combinations: For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, cat. 3 ¹⁾ 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100

1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220-507	0230-0-0397	10

NEW

1) To fit cover plate 1803-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.


2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

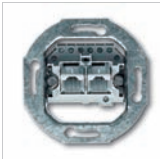
1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet 1) 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	NEW 0221-507	0230-0-0399	10


1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With down-leading outlet. As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.		
20 platinum 1)	1803-20	1753-0-8410	10
21 bronze 1)	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studiowhi te	1803-24	1753-0-8436	10
260 palladium 1)	1803-260	1710-0-3322	10
266 titanium 1)	1803-266	1710-0-3348	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box with down-leading outlet 1) 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
neon indicator:	not applicable		

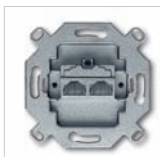
1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0215	0230-0-0243	10
Mounting boxes:	35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.		
2gang product combinations:	2gang combination with adapter plate APBS in Dual Box only.		
neon indicator:	not applicable		

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	NEW 0220/12-507	0230-0-0398	10

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat.5e, shielded 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0217	0230-0-0284	10


Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable


delivery form: Adapter plate APBS to be ordered separate.

1) Suitable for cover plate 1803-02-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet 1) 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. with claw		
	NEW 0221/12-507	0230-0-0400	10

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Strain relief adapter For flush-mounted installation. with strain relief and cable guide With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...		
	NEW 0222-507	0230-0-0401	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang With down-leading outlet. As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3/ISDN), 0217(Cat 5e/6 data technology), 0220/12-507, 0221/12-507 and comparable types of the Company Rutenbeck, BTR (E-Datdesign), AMP (NETCONNECT 5E).		
20 platinum ¹⁾	1803-02-20	1753-0-8485	10
21 bronze ¹⁾	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studiowhi te	1803-02-24	1753-0-8501	10
260 palladium ¹⁾	1803-02-260	1710-0-3321	10/100
266 titanium ¹⁾	1803-02-266	1710-0-3347	10/100

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum ¹⁾	2561-20	1753-0-3916	10
21 bronze ¹⁾	2561-21	1753-0-3924	10
22G ivory	2561-22G	1710-0-2504	10
24 studiowhi te	2561-24	1753-0-3932	10
260 palladium ¹⁾	2561-260	1710-0-3314	10
266 titanium ¹⁾	2561-266	1710-0-3340	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.


Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.


neon indicator: not applicable

delivery form: mounting plate and cover plate (cover frame and Modular Jack to be ordered separately)


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum ¹⁾	2561-02-20	1753-0-4047	10
21 bronze ¹⁾	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studiowhi te	2561-02-24	1753-0-4062	10
260 palladium ¹⁾	2561-02-260	1710-0-3315	10
266 titanium ¹⁾	2561-02-266	1710-0-3341	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746/10-20	1753-0-8550	10
21 bronze ¹⁾	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studiowhi te	1746/10-24	1753-0-8576	10
260 palladium ¹⁾	1746/10-260	1710-0-3312	10
266 titanium ¹⁾	1746/10-266	1710-0-3338	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746-20-101	1753-0-5978	10
21 bronze ¹⁾	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white	1746-24-101	1753-0-5994	10
260 palladium ¹⁾	1746-260-101	1710-0-3313	10
266 titanium ¹⁾	1746-266-101	1710-0-3339	10

1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
20 platinum ²⁾	1758-20	1724-0-1010	10
21 bronze ³⁾	1758-21	1724-0-1028	10
22G ivory	1758-22G	1724-0-2513	10
24 studio white	1758-24	1724-0-1036	10
260 palladium ²⁾	1758-260	1724-0-2793	10
266 titanium ²⁾	1758-266	1724-0-2798	10

Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.


Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: 2gang combination with adapter plate APBS in Dual Box only.

neon indicator: not applicable

delivery form: mounting plate and cover plate (cover frame and data connectors to be ordered separately)

1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.
3) Real metal surface.

Product	Article-No.	Order-No.	Pack/Qty
	TV Outlet ¹⁾ Single, non isolated for connection to a TV or FM co-axial aerial lead Rated frequency: 5-860 MHz BS 3041, IEC 60169-2		
20 platinum ²⁾	1743-01 BS-20	1724-0-2833	10
21 bronze ²⁾	1743-01 BS-21	1724-0-2836	10
22 ivory	1743-01 BS-22-500	1724-0-2732	10
24 studio white	1743-01 BS-24-500	1724-0-2733	10
260 palladium ²⁾	1743-01 BS-260	1724-0-2820	10
266 titanium ²⁾	1743-01 BS-266	1724-0-2823	10

Mounting boxes: 16 mm deep flush 1gang, 2gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG, 2gang frame 1722 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: not applicable

delivery form: insert and cover plate (cover frame to be ordered separately)

1) With BS-type metal mount. plate.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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**Radio/TV Outlet 1)
Twin, non isolated**
For connection to each of two separate Radio/TV coaxial aerial leads.
Rated frequency: 5-860 MHz
BS 3041, IEC 60169-2

20 platinum	1743-02 BS-20-500	1724-0-2835	10
21 bronze	1743-02 BS-21-500	1724-0-2838	10
22 ivory	1743-02 BS-22-500	1724-0-2742	10
24 studiowhi te	1743-02 BS-24-500	1724-0-2743	10
260 palladium	1743-02 BS-260-500	1724-0-2821	10
266 titanium 2)	1743-02B S-266-500	1724-0-2824	10

Mounting boxes: 16 mm deep flush 1gang or Dual Box 3070-2/35 BSDB.

Cover frames: 1gang frame 1721 BS-2xG or Dual Box frame 1722 BSDB-2xG.

2gang product combinations: For 2gang combination use Dual Box 3070-2/35 BSDB

neon indicator: notappl icable

delivery form: insert and cover plate (cover frame to be ordered separately)

- 1) With BS-type metal mount. plate.
2) Surface painted.



Satellite Socket
F-Type
Single
BS 5733, IEC 60169-2

20 platinum 1)	0233 BS-20	1711-0-0001	10
22 ivory	0233 BS-22	0230-0-0307	10/100
23G gold	0233 BS-23G	1711-0-0048	10
24 studiowhi te	0233 BS-24	0230-0-0309	10
260 palladium 1)	0233B S-260	1711-0-0002	10
266 titanium 1)	0233B S-266	1711-0-0003	10

Mounting boxes: 25 mm deep flush 1gang , 2gang or Dual Box 3070-2/35 BSDB.

2gang product combinations: For 2gang combination in a 2gang box use mounting clips (2clips provided together with 2gang cover frame 1722 BS-2x).

neon indicator: notappl icable

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
For room thermostat**
for thermostat 1094 U, 1097 U

20 platinum 1)	1794-20	1710-0-3532	10
21 bronze 1)	1794-21	1710-0-3533	10
22G ivory	1794-22G	1710-0-3534	10
24 studio white	1794-24	1710-0-3535	10
260 palladium 1)	1794-260	1710-0-3541	10
266 titanium 1)	1794-266	1710-0-3542	10


- 1) Surface painted.




**Cover plate
For room thermostat**
With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.

20 platinum 1)	1795-20	1710-0-3557	10
21 bronze 1)	1795-21	1710-0-3558	10
22G ivory	1795-22G	1710-0-3559	10
24 studio white	1795-24	1710-0-3560	10
260 palladium 1)	1795-260	1710-0-3566	10
266 titanium 1)	1795-266	1710-0-3567	10


- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studiowhi te	6540-24	6599-0-1540	10
260 palladium ²⁾	6540-260	6599-0-2852	10/100
266 titanium ²⁾	6540-266	6599-0-2855	10


- 1) Replacement neon lamp3856.
2) Realm etal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ ²⁾ ³⁾ With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
20 platinum ⁴⁾	6543-20-102	6599-0-2820	1/10
21 bronze ⁴⁾	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studiowhi te	6543-24-102	6599-0-2823	1/10
260 palladium ⁴⁾	6543-260-102	6599-0-2869	1/10
266 titanium ⁴⁾	6543-266-102	6599-0-2870	1/10


- 1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp3857.
4) Realm etal surface.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studiowhi te	6066-24-102-500	6020-0-1371	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10


- 1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
20 platinum ²⁾	6545-20	6599-0-2890	1/10
21 bronze ²⁾	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studiowhi te	6545-24	6599-0-2893	1/10
260 palladium ²⁾	6545-260	6599-0-2899	1/10
266 titanium ²⁾	6545-266	6599-0-2900	1/10


- 1) Replacement neon lamp3857.
2) Realm etal surface.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
20 platinum ²⁾	6800-20-104	6800-0-2068	1
21 bronze ²⁾	6800-21-104	6800-0-2069	1
22G ivory	6800-22G-104	6800-0-2070	1
24 studio white	6800-24-104-500	6800-0-2168	1
260 palladium ²⁾	6800-260-104	6800-0-2118	1/10
266 titanium ²⁾	6800-266-104	6800-0-2120	1/10


- 1) Please order the respective flush mounted insert separately.
2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ ²⁾ With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
20 platinum ³⁾	6800-20-104M	6800-0-2084	1
21 bronze ³⁾	6800-21-104M	6800-0-2085	1
22G ivory	6800-22G-104M	6800-0-2086	1
24 studio white	6800-24-104M-500	6800-0-2169	1
260 palladium ³⁾	6800-260-104M	6800-0-2119	1/10
266 titanium ³⁾	6800-266-104M	6800-0-2121	1/10


- 1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min		
20 platinum ¹⁾	1770-20-101	1753-0-6075	10
21 bronze ¹⁾	1770-21-101	1753-0-6083	10
22G ivory	1770-22G-101	1710-0-2397	10
24 studiowhi te	1770-24-101	1753-0-6091	10


1) Surface painted.

	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min		
20 platinum ¹⁾	1771-20-101	1753-0-6224	10
21 bronze ¹⁾	1771-21-101	1753-0-6232	10
22G ivory	1771-22G-101	1710-0-2405	10
24 studiowhi te	1771-24-101	1753-0-6240	10


1) Surface painted.

	Cover plate For Busch Timer® III insert 6454 U-101. For Busch Timer® control cover 6412-101.		
20 platinum ¹⁾	1772-20-101	1710-0-3479	10
21 bronze ¹⁾	1772-21-101	1710-0-3480	10
22G ivory	1772-22G-101	1710-0-3473	10
24 studiowhi te	1772-24-101	1710-0-3481	10
260 palladium ¹⁾	1772-260-101	1710-0-3477	10
266 titanium ¹⁾	1772-266-101	1710-0-3478	10


1) Surface painted.

	Cover plate For Busch-Short-time timer insert 6465 U.		
20 platinum ¹⁾	1773-20	1724-0-2158	10
21 bronze ¹⁾	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studiowhi te	1773-24	1724-0-2174	10
260 palladium ¹⁾	1773-260	1724-0-2790	10
266 titanium ¹⁾	1773-266	1724-0-2795	10


1) Surface painted.

	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
20 platinum ¹⁾	1773/10-20	1724-0-2596	10
21 bronze ¹⁾	1773/10-21	1724-0-2604	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studiowhi te	1773/10-24	1724-0-2612	10
260 palladium ¹⁾	1773/10-260	1724-0-2809	10
266 titanium ¹⁾	1773/10-266	1724-0-2810	10


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
20 platinum ¹⁾	1773 JA-20	1724-0-2331	10
21 bronze ¹⁾	1773 JA-21	1724-0-2349	10
22G ivory	1773 JA-22G	1724-0-2539	10
24 studio white	1773 JA-24	1724-0-2356	10
260 palladium ¹⁾	1773 JA-260	1724-0-2789	10
266 titanium ¹⁾	1773 JA-266	1724-0-2794	10


1) Surface painted.

	Control element 1) With neon lamp. For Busch-Blind control II 6411 U, 6411 U/S and Busch-Universal 2gang 1way insert 6402 U.		
20 platinum ²⁾	6430-20-101	6430-0-0256	
21 bronze ²⁾	6430-21-101	6430-0-0257	
22G ivory	6430-22G-101	6430-0-0258	
24 studio white	6430-24-101	6430-0-0259	
260 palladium ²⁾	6430-260-101	6430-0-0279	
266 titanium ²⁾	6430-266-101	6430-0-0280	

1) Replacement neon lamp 3857.
2) Real metal surface.


	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white	6066-24-102-500	6020-0-1371	1
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.


	Cover plate For Busch Timer® III insert 6454 U-101. For Busch Timer® control cover 6412-101.		
20 platinum ¹⁾	1772-20-101	1710-0-3479	10
21 bronze ¹⁾	1772-21-101	1710-0-3480	10
22G ivory	1772-22G-101	1710-0-3473	10
24 studiowhi te	1772-24-101	1710-0-3481	10
260 palladium ¹⁾	1772-260-101	1710-0-3477	10
266 titanium ¹⁾	1772-266-101	1710-0-3478	10

1) Surface painted.




Product	Article-No.	Order-No.	Pack/Qty
 <p>IR remote control ^{1) 2)} Battery-supplied infrared remote control. For infrared receiver (60xx). for Busch Watchdog Presence tech (6813/11), for Busch-priOn® Top end strip with IR receiver and proximity sensor (6350-825) For KNX sensors with infrared interface (632x-xxx, 6129-xx, and 6135-xxx). For switching/dimming up to 10 loads in 2 groups (1-5 / 6-10). Programming and selection of 2 MEMO memories possible per group. Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery. Range: 15 m Rated voltage: 6 V-</p>	6010-25-500	6020-0-1133	1


1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
2) Except 6321 -and 6326- -101.

 <p>IR Wall-Mounted Transmitter ^{1) 2) 3)} Battery-supplied infrared remote control. For infrared receiver and KNX flush-mounted infrared interfaces 6129-xxx-101, 6135-xx, and 632x-xxx (selection of 2 memo functions for each address group and ALL OFF). Address group switch-over (1-5/6-10) Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) Range: 15 m</p>	6020-20	6020-0-0036	1/10
	6020-21	6020-0-0044	1/10
20 platinum ⁴⁾	6020-24-500	6020-0-1281	1
21 bronze ⁴⁾	6020-24G-500	6020-0-1299	1
24 studiowhi te			
24G studiowhi te			


1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
2) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
3) Except 6321 -and 6326- -101.
4) Surfacepainted.


 <p>IR Wall-Mounted Transmitter ^{1) 2)} 1-channel Battery-supplied infrared remote control. For infrared reception and KNX flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.). Range: 15 m Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)</p>	6021-20	6020-0-0754	1
	6021-21	6020-0-0762	1
20 platinum ³⁾	6021-24-500	6020-0-1315	1
21 bronze ³⁾	6021-24G-500	6020-0-1307	1
24 studiowhi te			
24G studiowhi te			

1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
2) Except 6321 -and 6326- -101.
3) Surfacepainted.

 <p>IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.</p>	6067-20-102	6020-0-1324	10
	6067-21-102	6020-0-1325	10
20 platinum ¹⁾	6067-22G-102	6020-0-1326	10
21 bronze ¹⁾	6067-24-102-500	6020-0-1373	1
22G ivory	6067-260-102	6020-0-1369	1/10
24 studiowhi te	6067-266-102	6020-0-1370	1/10
260 palladium ¹⁾			
266 titanium ¹⁾			


1) Surfacepainted.

Product	Article-No.	Order-No.	Pack/Qty
 <p>IR Receiver, 4-channel 4 x 350 VA for luminaires For switching 4 consumers 2 supplementary inputs via 127 V push switch (e.g. 2020 US), central disablement of all outputs possible, supplementary IR remote control is possible via IR flying receiver 6045 E-101 switching capacity: 4 x 690 W or 4 x 350 VA temperature range: 0° C - 35° C Rated voltage: 127 V- Rated frequency: 60 Hz</p>	6056 EB-127-500	6020-0-1352	1


 <p>IR receiver 4gang For switching 4 consumers Operation also possible via 2 conventional push buttons (2020 US/2021/6 US). Central disablement of all outputs possible. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 4x Normally open contact, potential-bound Rated current: 6 A, cos 1 Rated current: 3 A, cos 0.5 Temperature range (Device): 0 °C to 35 °C</p>	6056 EB-500	6020-0-1232	1
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6056 EB-500 6020-0-1232 1


Product	Article-No.	Order-No.	Pack/Qty
	Mounting Clips For 2gang product combinations into a standard 2gang BS box. MCBS	1012-0-2068	20
	Mounting boxes: Clips for 2gang product combinations to be installed in a flush 2gang mounting box. 2gang product combinations: 10 AX switches 2000/x UBS, 10AX push switches 2020/x UBS, 20A DP switch.		


	Adapter Plate for adaption of BJE products with German type mounting plates to British wall boxes (1gang boxes and Dual Boxes) APBS	6599-0-2813	10/100
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	Wall Box 1gang with knockouts 11 x 20 mm knock-out openings. Dimensions: (L x W x D): 75 mm x 75 mm x 35 mm BS 4662 : 1994 A 8368 BOX	1799-0-0891	10
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	Wall Box 2gang with knockouts 13 x 20 mm and 3 x 25mm knock-out openings. Dimensions: (L x W x D): 135 mm x 75 mm x 35 mm BS 4662 : 1994 A 8367 BOX	1799-0-0892	10
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	Flush mounted wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 135 mm x 75 mm x 47 mm NEW 3030	1741-0-0067	5
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	Flush mounted cavity wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 142 mm x 82 mm x 45 mm NEW 3031	1741-0-0068	5
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	Dual Box flush steel box fixed lugs 16 x 20 mm Knockouts Dimensions:(L x W x D): 160 mm x 75 mm x 35 mm BS 4662 3070-2/35 BSDB	1741-0-0066	5
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Product	Article-No.	Order-No.	Pack/Qty	
	Cover frame 1gang 20 platinum ¹⁾ 21 bronze ¹⁾ 22G ivory	1721 BS-20 1721 BS-21 1721 BS-22G	1754-0-3880 1754-0-3898 1754-0-4070	10/100 10/100 10/100
	24G studio white 260 palladium ¹⁾ 266 titanium ¹⁾	1721 BS-24G 1721 BS-260 1721 BS-266	1754-0-4071 1754-0-4188 1754-0-4191	10/100 10/100 10/100

	Cover frame 2gang, horizontal to cover 2gang product combinations which are installed into a standard BS 2gang wall box. delivered together with 2 mounting clips for 2gang product combination 20 platinum ¹⁾ 21 bronze ¹⁾ 22G ivory	1722 BS-20 1722 BS-21 1722 BS-22G	1754-0-3922 1754-0-3930 1754-0-4075	10 10 10/130
	24G studio white 260 palladium ¹⁾ 266 titanium ¹⁾	1722 BS-24G 1722 BS-260 1722 BS-266	1754-0-4076 1754-0-4189 1754-0-4192	10/150 10 10

	Cover frame Dual gang for product combinations which are installed into a dual box. 20 platinum ¹⁾ 21 bronze ²⁾ 22G ivory 24G studio white 260 palladium ²⁾ 266 titanium ²⁾	1722 BSDB-20 1722 BSDB-21 1722 BSDB-22G 1722 BSDB-24G 1722 BSDB-260 1722 BSDB-266	1754-0-4011 1754-0-4029 1754-0-3963 1754-0-3971 1754-0-4190 1754-0-4193	10 10 10 10 10 10
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In the mood for a new,
more attractive range.

VARIOUS SERIES – THE SAME INSERTS. THIS BASIC PRINCIPLE OF THE BUSCH-JAEGER SWITCH RANGES ENSURES THAT THE CHOICES REMAIN CLEAR DESPITE THE MANY SHAPES AND COLOURS ON OFFER - YOU SIMPLY HAVE TO REPLACE THE COVERS IN ORDER TO SWITCH TO A DIFFERENT RANGE. EXCEPTION: IMPULS SWITCH SERIES.



Busch-Switch dimmer



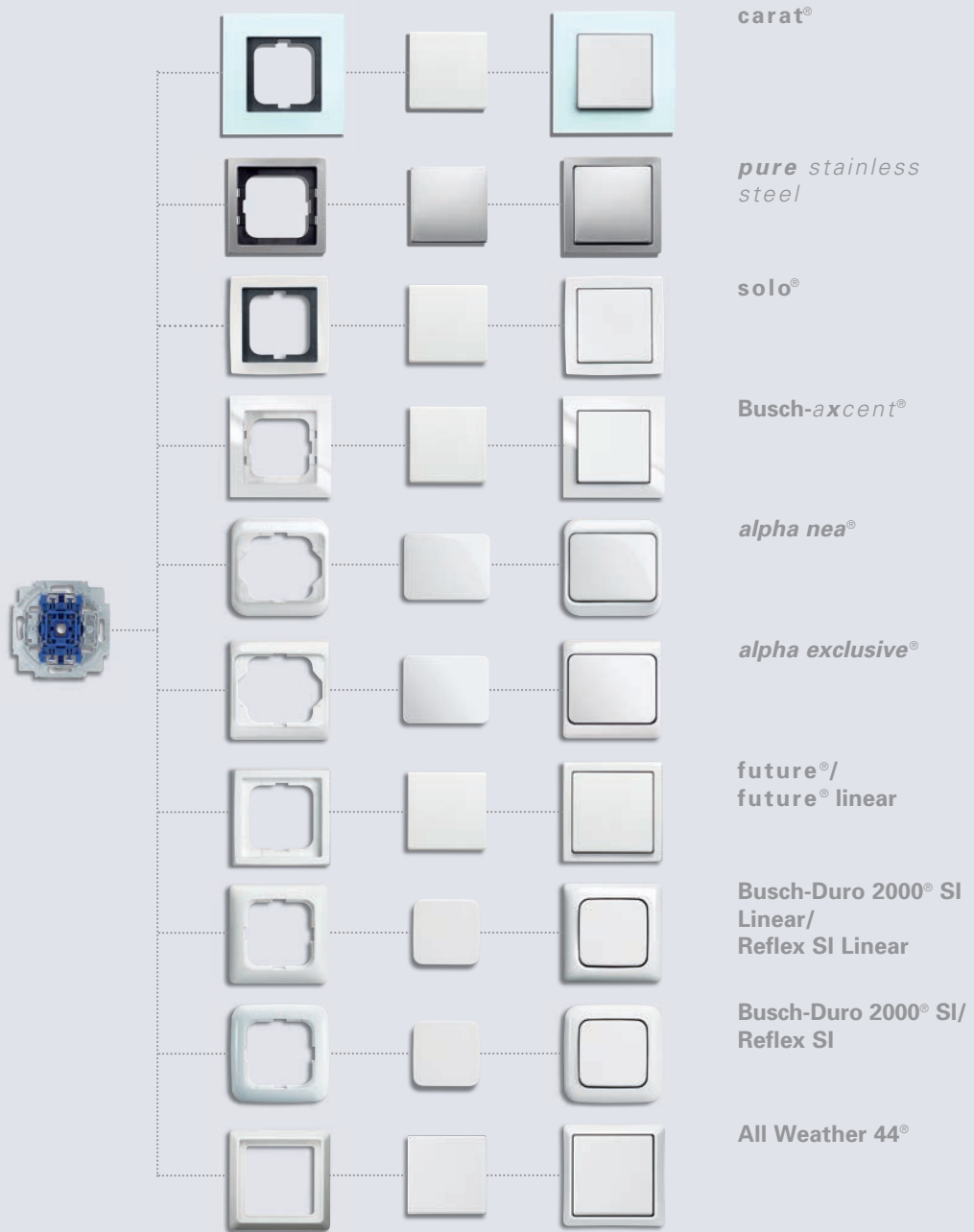
Busch-Comfort switch



Comfort timer



Busch-AudioWorld® intercom amplifier



Mechanical switches/blind switches	51
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Busch-Comfort switch – the switch with four comfort levels.

It can be operated like a normal switch – but offers additional possibilities that have never been combined in this way before in one device. Automatic, manual or time-controlled switching – functional, versatile and aesthetic: the new comfort switch offers unparalleled flexibility.

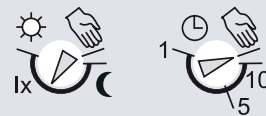


The new Busch-Comfort switch offers various comfort stages and thus versatile switching possibilities. It can even be used fully automatically, for example, by switching the light on and off if a person is detected. It also semiautomatically leaves the light on until someone turns it off manually. The Busch-Comfort switch can even be used as an automatic timer. In this case, it reacts to a push of the switch and automatically turns off the light later after a defined period of time when it no longer detects a presence.

In addition, the Busch-Comfort switch can be used as a normal switch that only reacts to manual actuation. Due to its extension input, it can be integrated into almost all 2gang. The two-wire insert is excellently suited for retrofitting, whereby the new relay switch insert permits the connection of universal loads. No matter what function you decide upon: despite its technical possibilities the Busch-Comfort switch almost looks like a normal switch and is just as easy to use. The integrated sensor is

barely noticeable due to its flat construction, and an LED located on the lens tells everyone who enters or leaves the room that the switch must be operated manually. At the same time, the LED is used as an orientation light and makes sure that the switch can be found easily, even in the dark.

Adjustment possibilities on the back of the control element



The flat lens is available in different colour tones and matches the colour of the rocker switch.

The relay switch insert (6816 U) for switching universal loads up to 2,300 W/VA is suited also for fluorescent and energy-saving lamps. The Busch-Comfort switch can thus be used for all load types almost everywhere.

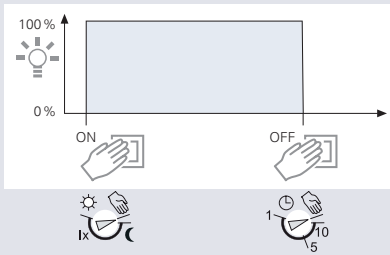


Busch-Comfort switch insert (6815 U)



Busch-Comfort switch relay insert (6816 U)

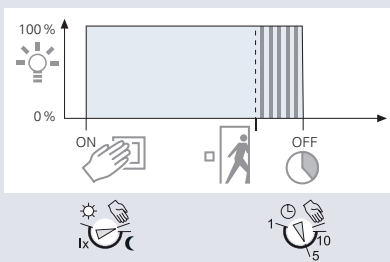
Basic comfort: Switch in the normal way



In the Basic Comfort operating mode, the Busch-Comfort Switch is operated only manually. This manual operation at any time is fundamentally the basis of all comfort levels. No matter what you imag-

ine – you can always perform every switching procedure from every main or auxiliary switch. Sometimes you just want to do things differently than planned.

Timing comfort: Switch on manually but off automatically – you determine the delay time

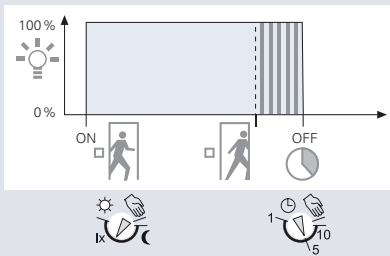


Who hasn't had this experience: you come home and the light is on because someone else just came through the corridor. After a few steps, you are suddenly in the dark – the set time is up. With the Busch-Comfort

switch, such unpleasant, dangerous events belong to the past. It detects that someone is still in the corridor and the selected delay time starts again from the beginning.

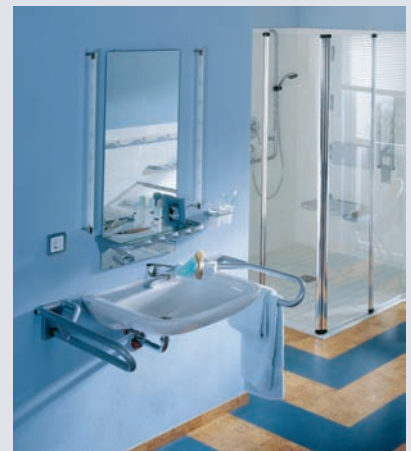


Maximum comfort: Never switch by hand again

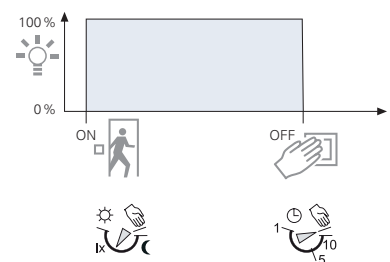


The light is switched on as soon as someone enters the detection range. The duration of activation can be freely selected between 1 and 10 minutes. The nice thing is: if someone enters the detection range again, this time is reset and restarts before the light goes off. The brightness threshold from which the light automatically

switches on is adjustable and adapts to the local conditions. You thus remain free and flexible – even if the use of a room or the lighting conditions therein change. If you are using the Busch-Comfort switch relay switch inserts, they can be switched parallel.



Medium comfort: Switch on automatically, but off manually – sometimes less is more



The Busch-Comfort switch turns on the light automatically and leaves it switched on for as long as you like. If you remain motionless or temporarily leave the detection range of the

device, the light remains on. You can carry on with your work without any disturbance and the light does not go out again until the button is pressed.

Modular design of electronic inserts and control elements.

		Switching					Dimming			Blind			
FVI insert		Universal Relay Switch Insert 6401 U-102	Universal 2gang-1way Insert 6402 U	Relay Switch Insert 6812 U-101	MOSFET Insert 6804 U-101	Extension Insert 6805 U	Universal Master Dimmer Insert 6593 U	Memory Touch-Type Controller 6550 U-101	Memory 2gang Dimmer 6565 U	Memory Touch Dimmer 6560 U-101	Blind Basic Insert 6418 U	Blind Control II Insert 6411 U-101/6411 U/S-101	
Switching/dimming capacity		2300 W/WA All loads 10 AX	2300 W/WA All loads 10 AX	700 W/WA All loads 3 A	60-240 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with or Busch-electronic transformers	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U, and 6550 U-101	60-420 W/WA, increase with 6594 U up to 735 W/WA 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional or Busch-electronic transformers	ECG = 0/1-10 V, LEDs with ballast units, 700 W/WA, higher contact load possible with external relay, 50 mA control current	2 x 40-315 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with electronic transformer	20-500 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional transformer	690 VA, 3 A at cos phi 0.5	690 VA, 3 A at cos phi 0.5	
Timer control element	 Comfort timer control element 6455	X Timer with maintained contact (for switching lights, pumps etc.)					X (Timer with adjustable brightness values)	X (timer with adjustable brightness values)				X (timer with 3-minute contact for shutter, motors or blinds)	
	 Standard timer control element 6456										X (timer with 3-minute contact for shutter, motors or blinds)		
	 Busch-Memory control element 6457										X (memory timer with 3-minute contact for shutter, motors or blinds)		
Unit	 Busch-Watchdog presence tech DualLINE 6813/11-xxx	X *) (either semi-automatic or fully automatic operation)	X *) (for controlling two independent lighting rows)	X *) (fully automatic operation only)	X *) (either semi-automatic or fully automatic operation)	X *)	X *) (constant light regulation, either semiautomatic or fully automatic operation)	X *) (constant light regulation, either semiautomatic or fully automatic operation)					
	 Busch-Watchdog presence tech 6813-xxx-101	X *)	X *) (Heating, air conditioning, ventilation function, Output 2 with switch-on/switch-off delay in relation to Output 1)	X *)	X *)	X *)	X *) (constant light regulation)	X *) (constant light regulation)					
	 Busch-Watchdog sensor All Weather 44° with combi-lense 6800-3x-102C	X (only 6401 U-102 for outdoor use, frost-proof up to -25°C)	X (Output 2 with switch-on/ switch-off delay in relation to Output 1)						X				
	 Busch-Watchdog comfort sensor (multilens) 6800-xxx-104(M)	X	X (Output 2 with switch-on/ switch-off delay in relation to Output 1)	X	X	X	X (Soft OFF mode: dim down/switch off within the final minute/switch-off warning)	X					
	 Busch-Watchdog standard sensor 6810-21x	X	X (Output 2 with switch-on/ switch-off delay in relation to Output 1)	X	X	X	X	X					
	 Busch-Remote control IR control element 6067-xxx-xxx	X *) (latching relay)	X *) (latching relay, 2 normally open contacts, separate slave contact for light and fan control)										
 Busch-Remote control IR control element 6066-xxx-xxx		X *) (electronic serial switch, remote-controllable, 2 normally open contacts)					X	X				X	
 Busch-Blind control II control element 6430-xxx-xxx		X (electronic serial switch, 2 normally open contacts)									X	X	
 Control Element for Memory 2gang Dimmer 6545-xxx								X					
 Busch-Touch dimmer control element 6543-xxx-10x	X) (latching relay)	X (latching relay, 2 normally open contacts, separate slave contact for light and fan control)					X	X		X			
		Switching					Dimming			Shutter			



The new LED technology can also be used with the illuminated switches of all Busch-Jaeger ranges. In the case of the LED lighting insert, the same component can be used as for the incandescent lamp insert.











Permanent aura of light thanks to long-lasting LED technology in the colours white, red, and blue.









Colours The LEDs are available in white, red, and blue. Various functions can thus be represented or simply fulfil individual preferences.



Amperages According to the desired brightness of the LEDs, either 0.5 mA, 1.0 mA, or 2.0 mA can be applied. **To enable push-switch circuits, a 0.5 mA variant has been provided. This permits the operation of several LEDs in push-switch circuits parallel to the relay contact.**

Colour A clear assignment of brightness levels marking and colours offers a great advantage in practice. The **marking** brightness levels (currents) are marked by the socket outlet colour and the LED colour by a separate colour point on the socket outlet.

Use	V	mA Order no.	Item no. Order no.	PG		
 Suitable for FM inserts 2000/ ... 2020/ ... 2061/ ... 2025/ ...			 Colour of the LED WHITE	 Colour of the LED RED	 Colour of the LEDBLUE	
	1. LED lighting unit with base, colour: white	230	0.5	8380-10 1784-0-0779	19	
	2. LED lighting unit with base, colour: white	230	1.0	8382-10 1784-0-0780	19	
3. LED lighting unit with base, colour: white	230	2.0	8383-10 1784-0-0781	19		
4. LED lighting unit with base, colour: red	230	0.5	8380-12 1784-0-0782	19		
5. LED lighting unit with base, colour: red	230	1.0	8382-12 1784-0-0783	19		
6. LED lighting unit with base, colour: red	230	2.0	8383-12 1784-0-0784	19		
7. LED lighting unit with base, colour: blue	230	0.5		8380-17 1784-0-0785	19	
8. LED lighting unit with base, colour: blue	230	1.0		8382-17 1784-0-0786	19	
9. LED lighting unit with base, colour: blue	230	2.0		8383-17 1784-0-0787	19	
 Suitable for FM inserts 2000/ ... 2001/ ... 2020/ ... 2021/ ... 2061/ ... 2025/ ...			 Colour of the LED WHITE	 Colour of the LED RED	 Colour of the LED BLUE	
	10. LED lighting insert, Colour: white	230	0.5	8390-10 1784-0-0788	19	
	11. LED lighting insert, Colour: white	230	1.0	8392-10 1784-0-0789	19	
	12. LED lighting insert, Colour: white	230	2.0	8393-10 1784-0-0790	19	
	13. LED lighting insert, Colour: red	230	0.5	8390-12 1784-0-0791	19	
	14. LED lighting insert, Colour: red	230	1.0	8392-12 1784-0-0792	19	
	15. LED lighting insert, Colour: red	230	2.0	8393-12 1784-0-0793	19	
	16. LED lighting insert, Colour: blue	230	0.5		8390-17 1784-0-0794	19
	17. LED lighting insert, Colour: blue	230	1.0		8392-17 1784-0-0795	19
18. LED lighting insert, Colour: blue	230	2.0		8393-17 1784-0-0796	19	

Application for	V	mA	W	Art. No. Order No.					
Suitable for FM inserts 2000/... 2020/... 2001/... 2021/... 2661/... 2061/...									
					Plug-in neon lamps	Plug-in neon lamps	Neon/Incandescent lamps with E-10 thread		
1. Universal lighting Orientation light	230	0.4		8350¹⁾ 1784-0-0545					
2. Serial switch	230	0.5		8338-1 1784-0-0057					
3. Particularly bright for light signals	230	1.0		8352¹⁾ 1784-0-0560					
4. Lightable/ markable switch rocker	230	2.0		8353¹⁾ 1784-0-0578					
5. For switches and push-switches	24	22				8337-1 1784-0-0032			
6. For switches and push-switches	12	40				8345-1 1784-0-0289			
7. Lightable/ markable switch rocker	8	40				8344-1 1784-0-0164			
8. For light signals	230	1.3					8302¹⁾ 1780-0-0022		
9. Bright for light signals	230		3.0				8340¹⁾ 1784-0-0222		
10. For light signals	24		2.0				8343¹⁾ 1784-0-0263		
11. For light signals	12		1.5				8342¹⁾ 1784-0-0255		
12. For light signals	6		1.2				8341¹⁾ 1784-0-0248		
13. Lamp tool for E-10 lamps							8509 0401-0-0018		
Replacement neon lamps, can be replaced from the front of the switch insert, colour-coded									
					Neon lamps (spare part)	Neon lamps (spare part)	Plug-in neon lamps	Neon lamps for dimmers (spare part)	Plug-in neon lamps for replacement
14. Universal lighting Red* for 8350		0.4						8360 1784-0-0552	
15. For light signals/impuls switch Yellow* for 8352			1.0					8362²⁾ 1784-0-0586	
16. Lightable/markable switch rocker/ impuls switch, white* for 8353			2.0					8363³⁾ 1784-0-0594	
17. impuls control switch 2001/2 UKGL, 2001/6 UKGL			0.8		8305 1784-0-0701				
18. impuls low-voltage push-switch 2021/6 UNV	24	22						8365⁴⁾ 1784-0-0610	
19. impuls low-voltage push-switch 2021/6 UNV	12	40						8366⁴⁾ 1784-0-0636	
20. impuls low-voltage push-switch 2021/6 UNV	8	40						8367⁴⁾ 1784-0-0651	
For FM dimmers except for impuls	230	0.8					3855 6599-0-0518		
22. For FM rotary dimmers Only impuls	230	0.8					3856 6599-0-2274		
23. For FM touch dimmers and for Busch Blind Control® II	230	0.8		3857 6599-0-2282					
24. For Busch Blind Control® I	230	0.8			3858 6599-0-2316				

¹⁾ Exchangeable plug-in neon lamps.

²⁾ For the impuls range, alpine white.

³⁾ For the impuls range, champagne metallic, cobalt blue, brilliant black, light grey.

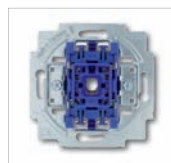
⁴⁾ Neon lamp.

⁵⁾ Incandescent lamp.

^{*}) Base colour of the lamp.

Inserts for flush-mounted devices

Product	Article-No.	Order-No.	Pack/Qty
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**Rocker Switch Mechanism ¹⁾
SP, 1gang 1way switch**
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2000/1US -500	1012-0-2059	10/100
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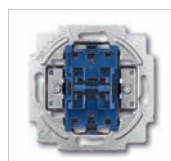
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



**Rocker Switch Mechanism
DP, 1gang 2way ¹⁾**
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2000/6US -506	1012-0-1143	10/100
2000/6/2US	1012-0-0954	10
2000/7US -506	1012-0-1168	10/100
2000/2US	1012-0-2034	10/100
2000/5US -500	1012-0-1150	10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) With screw terminals. Non-illuminable.



**Rocker Switch Mechanism
DP, 1gang 1way**
Rated voltage: 250 V~
Rated current: 16 AX
IEC 60669-1

2000/2US -101	1012-0-2042	10/100
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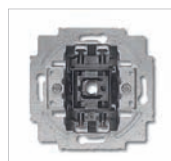
1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.
2) Also for switching SCHUKO socket outlets.



**Rocker Switch Mechanism ¹⁾
3-pole, 1gang 1way switch**
Rated voltage: 400 V~
Rated current: 16 AX
IEC 60669-1

2000/3US	1011-0-0816	10
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1) With screw terminals. Non-illuminable.



**Rocker Switch Mechanism ¹⁾
DP**
screw-type terminals
Rated voltage: 250 V~
Rated current: 20 A
IEC 60669-1

1020/2US	1020-0-0023	10/100
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1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
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**20 A Double Pole Switch ¹⁾
DP**
screw-type terminals
With neon lamp.
Rated voltage: 250 V~
Rated current: 20 A
IEC 60669-1

1020/2 USK	1020-0-0031	10/100
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Mounting boxes: 35 mm deep flush 1gang or Dual Box 3070-2/35 BSDB. 2gang combination with adapter plate APBS in Dual Box only, not applicable. Supplied with an adapter plate which must be filled with this insert.

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.



**Rocker Switch Mechanism ¹⁾
1gang 2way**
With neon lamp 8338-1.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2000/6 USGL	1012-0-1127	10/100
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1) Replacement lamps 8360, 8362, and 8363 and LED inserts.



Rocker Switch Mechanism, control ^{1) 2)}
With neon lamp.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2000/6 USK	1022-0-0474	10/100
2000/2 UK	1022-0-0656	10

1) With 1 mA neon lamp.
2) Illuminable using lamps 8360, 8362, 8363, 8365, 8366, and 8367 and LED inserts.



Rocker Switch with parallel stroke switch mechanism ^{1) 2)}
Suitable for impulse cover plate with operating knob.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2001/6 U	1012-0-1614	10/100
2001/5 U	1012-0-1622	10/100
2001/6/6 U	1012-0-1671	10
2001/7 U	1012-0-1630	10

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.

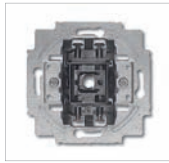


Rocker Switch with parallel stroke mechanism ¹⁾
With neon lamp.
Suitable for impulse cover plate with operating knob.
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1

2001/6 UKGL-101	1022-0-0615	10
2001/2 UKGL-101	1022-0-0623	10

1) For control lamp replacement 8305.
2) Replacement lamps 8360, 8362, and 8363 and LED inserts.
3) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.
4) Luminous ring non-illuminable.

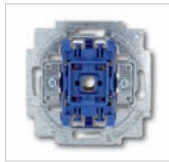
Product	Article-No.	Order-No.	Pack/Qty
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Push Switch Mechanism 1)
SP, with normally open contact (operating current)
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

2020 US-500 1413-0-0574 10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Push Switch Mechanism 1)
SP, with normally open contact (operating current)
With 2 independent signalling contacts.
Rated voltage: 250 V~
Inputs: 1
Outputs: 1
Rated current: 10 A
IEC 60669-1

2020 US-201 1413-0-0483 10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Push Switch Mechanism 1) 2)
SP, with normally open contact (operating current)
With illumination according to German Standard work-place regulations.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

2020US GL 1413-0-0533 10/100

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) For relay and touch dimmer applications.



Push Switch Mechanism 1)
SP, 2gang 1way
With one input terminal and 2 actuating covers.
Rated voltage: 250 V~
Inputs: 1
Outputs: 2x Normally open contact
Rated current: 10 A
IEC 60669-1

2020US -205 1413-0-0491 10

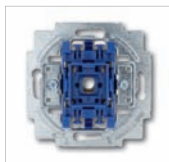
1) Illuminable using lamp 8338-1.



Push Switch Mechanism 1)
2 x SP, 2x normally open contact
2 normally open contacts.
Rated voltage: 250 V~
Inputs: 2
Outputs: 2x Normally open contact
Rated current: 10 A
IEC 60669-1

2020 US-205-101 1413-0-0509 10

1) Illuminable using lamp 8338-1.

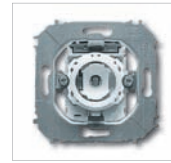


Push Switch Mechanism 1)
SP, 1gang 2way
Can be wired for normally open contacts (stand-by current) or normally closed contacts (operating current).
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

2020 US-206 1413-0-0517 10/100

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
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Push Switch 1)
Suitable for impuls cover plate with operating knob.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

SP, 1gang 2way without N-terminal
2021/6 U 1413-0-0871 10

SP, 1gang 2way with N-terminal 2)
2021/6 UK 1413-0-0897 10

SP, 2x 1gang 2way
2021/6/6 U 1413-0-0889 10

SP, 1gang 2way with 2 independent answering contacts
2021/6 US-201 1413-0-1051 10

1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) For relay and touch dimmer applications.



Push Switch
Illuminable.
Suitable for impuls cover plate with operating knob.
With N terminal.
Rated voltage: 24 V~
Rated current: 10 A
IEC 60669-1

SP, 1gang 2way with N-terminal 1)
2021/6 UNV 1012-0-1705 10

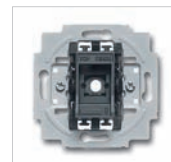
SP, 1gang 2way with 2 independent answering contacts
2021/6 UNV-201 1012-0-2069 10

1) Illuminable using lamp insert 8365, 8366, 8367.



Push Switch Mechanism
SP with normally open contact
For installation in flush-mounted boxes of 43 mm diameter or SM box 1706-xx.
Clip-on mounting.
Rated voltage: 42 V~
Rated current: 0.5 A

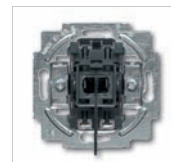
2031 UP 1413-0-0806 10/100



Card-Switch 10 A 1)
SP, with normally open contact (operating current)
Illuminable.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

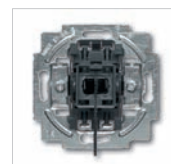
2025 U 1012-0-1713 10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Pull switch
SP, with normally open contact (operating current)
With 2-metre pull cord, red handle, and red neon indicator.
Rated voltage: 250 V~
Rated current: 10 A

2020/01 US 1413-0-1077 10



Pull switch
SP, break contact
With 2-metre pull cord, red handle, and red neon indicator.
Rated voltage: 250 V~
Rated current: 10 A

2020/10 US 1413-0-1076 10

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert 1) With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch 2000/4US	1012-0-1309	10/100
	SP, push switch 2020/4US	1413-0-0590	10/100

- 1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

	Blind switch insert 1) 2) With rotary knob/switch and push switch. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1, British Standard EN 60669-1		
	DP 2712U	1101-0-0534	10
	SP, N, E 2713U	1101-0-0542	10

- 1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind switch insert 1) 2) With rotary knob/push button. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	DP 2722U	1101-0-0559	10
	SP, N, E 2723U	1101-0-0567	10

- 1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind Switch/Push Switch 1) 2) 3) 4) 5) For profile semi-cylindrical lock/switch and push switch. Delivered without cylindrical lock.		
	Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	DP 2712 USL-101	1101-0-0872	10
	SP, N, E 2713US L-101	1101-0-0880	10

- 1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) Seesem i-cylindrical ock.
5) Also suitable for DC drives.

	Blind switch insert 1) 2) 3) 4) For profile semi-cylindrical lock/push button. Delivered without cylindrical lock.		
	Rated voltage: 250 V~ Rated current: 10 A British Standard EN 60669-1, IEC60669-1		
	DP 2722US L-101	1101-0-0898	10
	SP, N, E 2723US L-101	1101-0-0906	10

- 1) Blind switches/push switches prevents fast change over between operating directions.
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) Seesem i-cylindrical lock.
4) Also suitable for DC drives.

Product	Article-No.	Order-No.	Pack/Qty
	Key Switch Insert 1) 2) 3) SP, 1gang 1way switch For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. Delivered without cylindrical lock.		
	Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	2733 USL-101	1101-0-0914	10

- 1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) See profile semi-cylindrical lock.

	Three-step rotary switch 1) 2) 1 pole, with zero position With zero position. Rated voltage: 250 V~ Rated current: 16 A		
	2710 U	1101-0-0918	1/10

- 1) Install only in conjunction with wall boxes ø 60 mm.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

	Three-step rotary switch 1) 2) 1 pole, without zero position without zero position. Rated voltage: 250 V~ Rated current: 16 A		
	2710/1 U	1101-0-0919	1/10

- 1) Install only in conjunction with wall boxes ø 60 mm.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.


	Info light unit Size of information field 43 x 43 mm. Long service life of the lighting element (LEDs). Homogeneous backlighting of the information field. Rated voltage: 230 V~		
	2062 U	1511-0-0115	1/10

	Light signal insert for push lamp 1) not included Without cover. Rated voltage: 250 V~		
	2061 U	1511-0-0062	10


- 1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

	Light signal insert for push lamp 1) with E 10-thread Without cover. Rated voltage: 250 V~		
	2661 U	1511-0-0096	10


- 1) Illuminable using lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Wind and sun blind switch ^{1) 2) 3) 4)} with automatic switching control For controlling blind or awning motors. Adjustable light, wind and temperature value. With internal temperature sensor. Sun, wind and rain sensor can be connected externally. With intermediate position for awnings and turning position for blinds. Impulse duration: 30 sec to 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Rated current: 3 A, cos 0.6 Rated power: 690 VA Temperature range (Device): -5 °C to 50 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6480U-1 02	6410-0-0371	1/10


- 1) Seesensensor and wind sensor.
- 2) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
- 3) Measured value transmitters for precipitation can be purchased from Fa.Warema Renckhoff GmbH, 97828 Marktheidenfeld, Germany. Measured value transmitter, precipitation Art. No. 1002325, power pack Art. No. 629065, pipe assembly set Art. No. 1003255.
- 4) For use only in conjunction with Wind Sensor 6481-102.

	Busch-Blind control switch insert ^{1) 2)} Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louver, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10


- 1) Suitable for multi-phase operation.
- 2) Compatible with types 6411 U/x.


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert ^{1) 2)} Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louver, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

- 1) Suitable for multi-phase operation.
- 2) Compatible with types 6411 U/x.

	Basic blinds insert ^{1) 2)} Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off. Suitable for operation without neutral conductor. Without an extension input. Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example. For control cover 6430-xx-xxx. For Memory control element 6457. For Standard timer control element 6456. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6418 U-500	6410-0-0376	1/10


- 1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
- 2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

	Busch-Short-time timer insert Countdown timer For time-programmed switching of electrical consumers. With control cover, without cover plate. Minimum timer time: 1 second. Maximum timer time: 9:59:59 hours. Power reserve: 12 hr. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact Rated current: 10 A, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6465 U	6410-0-0278	1/10



	Time switch mechanism 16 A ¹⁾ DP, break contact for staircases, exterior lighting, fans, etc. Running time: 15 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1070 U	1043-0-0025	1/10

- 1) For screw-fixing only

Inserts for flush-mounted devices

Product	Article-No.	Order-No.	Pack/Qty
	Time switch mechanism 16 A ¹⁾ DP, break contact for staircases, exterior lighting, fans, etc. Running time: 120 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1071U	1043-0-0124	1



1) For screw-fixing only

	Busch-Rotary switch dimmer insert ¹⁾ For use in 2 gang connections 1 channel designed as dimmer. 1 channel designed as switch contact (1-gang 2-way contact element) with leading edge control For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated current 6A (changeover contact switch output). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6517U-1 01-500	6517-0-0018	1/10

1) In the case of conventional transformers, take ~20% transformer loss into account.

	Busch Memory 2gang Dimmer ¹⁾ ²⁾ For use in 2 gang connections For switching and dimming 2 independent devices. With trailing edge control. 2gang 1way For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Compatible with control covers 6545-xxx. without cover, without cover plate Outputs: 2 independent dimmer channels. Rated power: 40-315 W/VA per channel. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz IEC 60669-2-1, British Standard EN 60669-2-1		
	6565U-50 0	6565-0-0057	1/10



1) Not suitable with conventional transformers.
2) In case of electronic transformers, 5 % transformer losses.

	Busch-Dimmer[®] insert ¹⁾ ²⁾ ³⁾ With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W IEC 60669-2-1, British Standard EN 60669-2-1		
	2250U	6515-0-0704	1/10



1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) Provided with terminal for net disconnection devices.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer[®] insert ¹⁾ ²⁾ ³⁾ ⁴⁾ With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	2247 U-500	6512-0-0302	1/10



1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.

	Busch-Dimmer[®] insert ¹⁾ ²⁾ ³⁾ ⁴⁾ With rotary control, soft-catch and with leading edge control. For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. Without cover plate. With adjustable minimum brightness. Rated voltage: 127 V~ Rated frequency: 60 Hz Rated power: 20 - 250 W IEC 60669-2-1, British Standard EN 60669-2-1		
	2247 U-127	6512-0-0297	1/10



1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) Provided with terminal for net disconnection devices.
4) Also applicable for 1gang 2way installations.

	Busch-Dimmer[®] insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6513 U-102-500	6513-0-0586	1/10

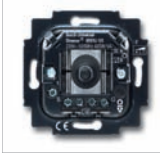

1) Not suitable with conventional transformers.
2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
3) In case of electronic transformers, 5 % transformer losses.
4) Provided with terminal for net disconnection devices.
5) Also applicable for 1gang 2way installations.

	Busch-Dimmer[®] insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 550 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6519 U	6519-0-0011	1



1) Not suitable with conventional transformers.
2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
3) In case of electronic transformers, 5 % transformer losses.
4) Provided with terminal for net disconnection devices.
5) Also applicable for 1gang 2way installations.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer[®] insert t¹⁾ 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Short-circuit protected, overload-protected. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 1000 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6520 U-500	6520-0-0227	1/10



- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.

	Busch-Universal rotary dimmer insert¹⁾ 2) 3) 4) with soft-catch with intelligence for universal operation For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible. Operation via rotary-type remote control 6592 U possible, without cover plate Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 60 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6591U-1 01-500	6513-0-0588	1/10



- 1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In the case of conventional transformers, take ~20% transformer loss into account.
- 4) Control covers 2115-xxx and 6540-xxx.

	Busch-Universal rotary dimmer extension, Insert¹⁾ for connection to 6591 U-101, To be used with Busch-Universal master dimmer 6583. with soft-catch A maximum of 5 multi-way extensions can be connected to a 6591U-101, Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz		
	 6592U-50 0	6513-0-0590	1



- 1) Control covers 2115-xxx and 6540-xxx.



	Busch-Memory touch-dimmer¹⁾ With light-level memory and leading edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Compatible with control covers 6543-xxx-10x. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Parallel operation of several transformers and/or incandescent lamps possible. Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6560 U-101	6560-0-1205	1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal master dimmer Insert¹⁾ 2) 3) with light-level memory and intelligence for universal operation Selectable Soft-ON/OFF function and memory function. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. With push switch operation. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6593 U-500	6590-0-0171	1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.

	Busch-Universal master dimmer capacity booster The control is effected by a Busch-Universal master dimmer 6593 U or Busch-Universal rotary dimmer 6591U-101 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 315 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 6594 U-500	6590-0-0172	1

	Busch-Electronic potentiometer¹⁾ 2) 3) With rotary control. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	 2112 U-101-500	6599-0-2873	1/10

- 1) Non-illuminable.
- 2) Use cover plates 2115 J.../2115-.../6540-...
- 3) Making-current limiters have to be provided in case of too high making currents.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Memory touch-type controller ^{1) 2)} 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6550U-1 01-500	6550-0-0042	1

- 1) Non-illuminable.
2) with integrated making-current limiter

	Busch-Comfort switch 2-wire insert ^{1) 2) 3)} 2-wire connection. For Busch-Comfort switch sensors 6815-xxx. Operation in 1 gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 40 - 300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6815U	6800-0-2270	1/10

- 1) Not suitable for activating the staircase time delay.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

	Busch-Comfort switch relay mechanism ^{1) 2)} 3 wire connection (neutral conductor required). For Busch-Comfort switch sensors 6815-xxx. Operation in 1 gang 2way installations via push switch-unit for combination with flush-mounted units. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or Busch electronic transformer. Rated power: 2300 W/VA Suitable for: 230 V halogen lamps Rated power: 1200 W Suitable for: Fluorescent lamps Rated current: 10 AX, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1		
	6816U	6800-0-2355	1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal relay switch insert 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1		
	6401 U-102-500	6401-0-0049	1/10

	Busch-Universal relay switch insert ¹⁾ max. 1270 W/VA 10 AX 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 127 V~ Rated frequency: 60 Hz Outputs: 1x Normally open contact, potential-bound Rated current: 10 AX Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1		
	6401 U-102-127-500	6401-0-0050	1/10

- 1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal 2gang 1way insert

3 wire connection (neutral conductor required).
For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs.
For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover 6430-xxx-10x and 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2x Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6402U-50 0 6401-0-0051 1/10



Busch-Watchdog relay mechanism

3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
Rated voltage: 230 V, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated power: 700 W/VA
Temperature range (Device): 0 °C to 55 °C
British Standard EN 60669-2-1

6812U-1 01-500 6800-0-2160 1/10



Busch-Watchdog MOS-Fet Insert ^{1) 2) 3)}

2-wire connection.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer.
Rated power: 60 - 420 W/VA
Temperature range (Device): 0 °C to 35 °C
British Standard EN 60669-2-1

6804U-1 01-500 6800-0-2219 1/10

- 1) Not suitable for activating the staircase time delay.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
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Insert for combination with flush-mounted inserts ¹⁾

3 wire connection (neutral conductor required).
For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations.
For combination with relay insert 6401 U-102 and 6402 U.
For combination with MOS-Fet insert 6804 U-101.
For combination with Dimmer insert 6593 U and 6550 U-101.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Control/Signal outputs: 1, electronic output, potential-bound
Temperature range (Device): 0 °C to 35 °C

6805 U-500 6800-0-2161 1/10

- 1) Not combinable with relay switch insert 6812 U-101.



Room Thermostat ^{1) 2)} with break-contact

fixing claws
separate terminal to activate nighttime mode and reduction of room temperature by 4K..
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
EN 60730-2-9, British Standard EN 60669-2-1

1094 U 1032-0-0483 1/10

- 1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
- 2) Switching temperature difference: ± 0.4 K.



Room Thermostat ^{1) 2)} with break-contact

With actual value temperature display
Automatic controller calibration
fixing claws
separate terminal to activate nighttime mode and reduction of room temperature by 4K..
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
EN 60730-2-9, British Standard EN 60669-2-1

1094 UTA 1032-0-0487 1/10

- 1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
- 2) Switching temperature difference: ± 0.4 K.





Room Thermostat ^{1) 2)} with break-contact

with built-in slide switch and control lamp for nightly reduction of 4 K
fixing claws
separate terminal to activate nighttime mode and reduction of room temperature by 4K..
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
EN 60730-2-9, British Standard EN 60669-2-1


1095 U 1032-0-0484 1/10

- 1) Servo-valves, "closed when de-energized, are necessary for connection to thermostat. e.g. Article No. 6164/10-, see KNX chapter.
- 2) Switching temperature difference: ± 0.4 K.


Product	Article-No.	Order-No.	Pack/Qty
	Room Thermostat with break-contact With remote sensor and thermal feedback For underfloor heating. fixing claws Opening of the relay contact, when the set temperature is reached. Remote sensor cable length: 4 m. Sensor =NTC, 10 kilo-ohm at 25 degrees C. Adjusting range: +10 to +50° C. Connecting cable: 1mm ² to 2.5 mm ² separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 16 A, cos 1 EN 60730-2-9, British Standard EN 60669-2-1		
	1095UF	1032-0-0497	1/10

	Room Thermostat ^{1) 2)} with break-contact With actual value temperature display Automatic controller calibration with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1095UTA	1032-0-0488	1/10


1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat. e.g. Article No. 6164/10- see KNX chapter.
2) Switching temperature difference: ± 0.4 K.

	Room Thermostat ^{1) 2)} with break-contact with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 24 V~ Rated current: 1 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1096U	1032-0-0485	1


1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e.g., Art. No. 6164/10 .
2) Switching temperature difference: ± 0.4 K.

	Room Thermostat ^{1) 2)} with break-contact With actual value temperature display Automatic controller calibration with built-in slide switch and control lamp for nightly reduction of 4 K fixing claws separate terminal to activate nighttime mode and reduction of room temperature by 4K.. Rated voltage: 24 V~ Rated current: 1 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1096UTA	1032-0-0489	1/10


1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e.g., Art. No. 6164/10 .
2) Switching temperature difference: ± 0.4 K.

Product	Article-No.	Order-No.	Pack/Qty
	Room Thermostat ^{1) 2)} with change over contact fixing claws Rated voltage: 230 V~ Rated current: 5 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9, British Standard EN 60669-2-1		
	1097 U	1032-0-0486	1/10


1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat. e.g. Article No. 6164/10- see KNX chapter.
2) Switching temperature difference: ± 0.4 K.


	Room Thermostat ^{1) 2)} with change over contact With actual value temperature display Automatic controller calibration fixing claws Rated voltage: 230 V~ Rated current: 5 A EN 60730-2-9, British Standard EN 60669-2-1		
	1097 UTA	1032-0-0490	1/10

1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat. e.g. Article No. 6164/10- see KNX chapter.
2) Switching temperature difference: ± 0.4 K.

	Room Thermostat ^{1) 2)} With time control With change-over contact. Easy adjustment using menu and text-based display. 4 switching times per day can be user-defined for each day of the week. fixing claws Automatic summer/wintertime switch-over Power reserve > 10 hours. Rated voltage: 230 V~ Rated current: 10 A Temperature range (Device): 5 °C to 30 °C EN 60730-2-9		
	NEW 1098 U	1032-0-0500	1/10

1) Servo-valves, "closed when de-energized", are necessary for connection to thermostat. e.g. Article No. 6164/10- see KNX chapter.
2) Switching temperature difference: ± 0.4 K.


	Room Thermostat With time control and remote sensor. With change-over contact. Easy adjustment using menu and text-based display. 4 switching times per day can be user-defined for each day of the week. fixing claws Automatic summer/wintertime switch-over Remote sensor cable length: 4 m. Sensor =NTC, 10 kilo-ohm at 25 degrees C. Power reserve > 10 hours Rated voltage: 230 V~ Rated current: 16 A Temperature range (Device): 10 °C to 50 °C EN 60730-2-9		
	NEW 1098 UF	1032-0-0501	1/10

	Universal data connection unit, cat. 3 ¹⁾ 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100


1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	NEW 0220-507	0230-0-0397	10


1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	NEW 0220/12-507	0230-0-0398	10

1) Suitable for cover plate 1803-02-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	NEW 0221-507	0230-0-0399	10

1) To fit cover plate 1803-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. with claw		
	NEW 0221/12-507	0230-0-0400	10

1) Suitable for cover plate 1803-02-xxx.

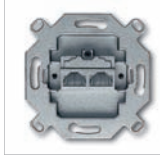
Product	Article-No.	Order-No.	Pack/Qty
	Strain relief adapter For flush-mounted installation. with strain relief and cable guide With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...		
	NEW 0222-507	0230-0-0401	10

Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10


1) To fit cover plate 1803-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box with down-leading outlet ¹⁾ 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100


1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0217	0230-0-0284	10


1) Suitable for cover plate 1803-02-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box with down-leading outlet ¹⁾ 2 x outlets, 8/8-pole With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0215	0230-0-0243	10


1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
	Data-connection boxes, RJ45, cat 6a, shielded ¹⁾ ²⁾ 2 x outlets, 8/8-pole With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Cable entry freely selectable. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Without claw. Installation depth: 38 mm		
	0218	0230-0-0376	1/10

1) Suitable for cover plate 1803-02-xxx.
2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

	Telephone unit connection box 6 F+N For 1 telephone or 1 transmission unit (e.g. fax, answering machine, modem etc.) 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0241/02	0230-0-0385	10
alpinewhi te	0241/04	0230-0-0386	10
black	0241/05	0230-0-0387	10

	Telephone unit connection box 2x6/6 NFF For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.) 2 x 6/6 pole for 2 subscriber lines. Design in accordance with DIN 41715. Screw contacts with claw		
white	0242/02	0230-0-0388	10
alpinewhi te	0242/04	0230-0-0389	10
black	0242/05	0230-0-0390	10

	Telephone unit connection box 3x6 NFN For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.) 3 x 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0243/02	0230-0-0391	10
alpinewhi te	0243/04	0230-0-0392	10
black	0243/05	0230-0-0393	10

	Universal data connection box 8(6)/ telephone unit 6F+N - connection box ¹⁾ 2 x 6-pole with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (telephone unit): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	UAE 8(6)TAE 6 F+N	0230-0-0381	10/100


1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.


Product	Article-No.	Order-No.	Pack/Qty
	Loudspeaker connection box ¹⁾ With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm ² . with claw		
anthracite	0247	0230-0-0382	10


1) Suitable for cover telephone unit 1766-xxx and 2539-21x.


	Stereo loudspeaker connection box ¹⁾ With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
anthracite	0248	0230-0-0383	10

1) Suitable for cover telephone unit 1766-xxx and 2539-21x.

	Satellite co-axial outlets 2 connectors/dead-end feeder Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0230-101	0230-0-0250	10/100


	Satellite co-axial outlets Radio/TV/SAT 2 connectors/loop through type Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0231-101	0230-0-0268	10

	Satellite co-axial outlets Radio/TV/SAT 3gang dead-end feeder broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0232-101	0230-0-0384	10/100


	Terminating resistor 75 Ohm		
	0239	0230-0-0201	10/100


	Supporting frame ¹⁾ With green insert For 2 modular jack inserts. For systems: AVAYA (AT&T / Lucent Technologies), Giga Speed, PowerSUM, MGS 300 BH-xx, M1 BH-xx, MPS 100E-xx With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114. Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm Without claw.		
	1810	1753-0-8048	10/100


1) For further information, please refer on the Internet.

Product	Article-No.	Order-No.	Pack/Qty
	Supporting frame ¹⁾ With red insert For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. For systems: AMP / tyco Electronics, BTR, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100

1) For further information, please refer on the Internet.

	Modular-Jack insert 6-pole Cat. 3 (AMP-No. 216000-2) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm ² (AWG 26) to 0.35 mm ² (AWG 22).		
	0210	0225-0-0078	10

	Modular-Jack insert 8-pole Cat. 3 (AMP-No. 216005-4) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm ² (AWG 26) to 0.35 mm ² (AWG 22).		
	0211	0225-0-0086	10

	Supporting frame ¹⁾ With black insert For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, Combi-Net, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

1) For further information, please refer on the Internet.

	Supporting frame ¹⁾ With blue insert For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100


1) For further information, please refer on the Internet.

	Flush-mounted assembly adapter For the accommodation of one or two universal modules 0219. For flush-mounted installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
	NEW 0219/12	0230-0-0395	1/10

metal clad


Product	Article-No.	Order-No.	Pack/Qty
	Channel assembly adapter For the accommodation of one or two universal modules 0219. For channel and under-floor installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
	NEW 0219/13	0230-0-0396	1/10

metal clad


	Universal module, RJ45, real Cat. 6a, shielded ¹⁾ 1gang For installation in installation adapter 0219/12 or 0219/13. Also suited for mounting into cover plate 2561 and bases 1812, 1866 EB, and 1867 EB. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Design according to E DIN IEC 60 603-7-5:2003-03. Housing made from diecast zinc. With integrated dust-protection cap (can be removed if necessary). Bend-radius optimised cable feed (30°). With insulation displacement connection Clearly colour-coded connection identification. For data cables with a diameter of 6 -10 mm. For wires of AWG 24-22. Protection class (Device): IP 21		
	NEW 0219	0230-0-0394	1/10


metal clad








1) With assembly adapters appropriate for telephone unit cover plates 2539-21x and 1766-xxx.

	D-Type data connector ¹⁾ For fixation screws M3. With locking bolts.		
	9 pole 0200 15 pole 0201 25 pole 0202	0225-0-0011 0225-0-0029 0225-0-0037	50 50 50

1) Suitable for DCS insert Art. No. 1850 -1853 built-in.





	Built-in jack For potential balancing jack cover plate and installation in cover plates. For devices of 19 mm diameter.		
	0471-0-0037	0471-0-0037	10

	Potential balancing plug Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801. For potential balancing jack cover plate (connection up to 6 mm ² crimped or soldered)		
	0299-0-0032	0299-0-0032	10

Product	Article-No.	Order-No.	Pack/Qty
 <p>DIN profile-semi cylindrical lock acc. to German Standard DIN 18252 Total length 40 mm for blind switches and push switches For inserts 2712/2713/2722/2723/2733 USL-101 and 2712/2733 SLW-5x.</p>	different lock mechanism, with 3 keys 0520PZ-V S	0470-0-0013	1
	lock mechanism, with 3 keys 0521PZ-GS	0470-0-0021	1
 <p>Flush mounted wallbox (VDE) For flush-mounted installation. Dimensions according to DIN 49073. Diameter: 60 mm. Depth: 42 mm. Device screw distance: 60 mm. With 2 device screws, length: 15 mm. Type of protection for device: IP 2X. Flame retardant up to 650°C according to VDE 0471/DIN IEC 695 Part 2-1.</p>	0440	0471-0-0045	100
	 <p>Extension of Claws 1) For the installation of flush mounted SCHUKO socket outlets and also switches, push buttons, etc. and deeply installed flush mounted boxes.</p>	2148	2148-0-0120	100
 <p>Capacitor set 1) For supplying power to the basic blinds insert 6418 U if it cannot be supplied with sufficient power (current) from the motor and no neutral conductor can be connected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Temperature range (Device): -25 °C to 50 °C</p>	6498	6410-0-0383	1/10
	 <p>Sun Sensor For Busch-Wind and sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.</p>	6482	6410-0-0203	1
 <p>Wind Sensor For Busch Wind and Sun sensor insert 6480 U-102.</p>	6481-102	6410-0-0370	1
	 <p>Burglar alert sensor For insert 6411 U/S-101. With 4 m connecting cable.</p>	6413-500	6410-0-0349	100

1) Not for types 2000/3 US, 2000/6/2 US, 2000/6/6 US and 2gang socket outlets.

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Light sensor For insert 6411 U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.</p>	6414-500	6410-0-0348	10
	 <p>Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. Combined with the Busch-Universal master dimmer insert 6593 U, the brightness of the lighting can be set for every switch-on time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C</p>	6455-500	6410-0-0373	1/10
 <p>Standard timer control element 1) For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C</p>	6456	6410-0-0374	1/10
	 <p>Light sensor For insert 6411 U/S-101. With 4 m connecting cable.</p>	6413-500	6410-0-0349

1) See respective cover plates 6435-xx.

1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
	Memory control cover 1) For manual and automatic switching of blinds and roller blinds. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C		
	6457	6410-0-0382	1/10

1) See respective cover plates 1773 JA-xx.

Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) Suitable for Busch Script labelling software. With labels.		
Labels for all sizes	1799	1799-0-0196	1
Labels 51.5 x 10 mm ²⁾	17990 1	1799-0-0618	1
Labels 53.7 x 11.7 mm ³⁾	179902	1799-0-0626	1
Labels 47 x 8 mm ⁴⁾	179903	1799-0-0634	1/10
Labels 57.8 x 11.7 mm ⁵⁾	179904	1799-0-0642	1
Labels 41.3 x 9.7 mm ⁶⁾	179905	1799-0-0659	1
Labels 53 x 8.5 mm ⁷⁾	179906	1799-0-0667	1
Labels 25 x 37.5 mm ⁸⁾	179907	1799-0-0675	1
Plastic foil labels 56.5 x 10.5 mm ⁹⁾	179908	1799-0-0683	1
Plastic foil labels 47 x 13.7 mm	179909	1799-0-0691	1

- 1) 1 piece = 10 sheets
- 2) Suitable for Art. No. 2506 N-21..., 2510 NLI-21..., 20 EUKN-21...
- 3) Suitable for Art. No. 2761 N-20..., 1758-21.../20.../2..., 20 EUKN-20...
- 4) Suitable for Art. No. 1721 NS-21..., 1722 NS-21..., 1721 NS-24, 1722 NS-24
- 5) Suitable for Art. No. 1781-2..., 1764 NLI-2...
- 6) Suitable for Art. No. 2559-21..., 1757-2..., 2533 WS, 2533 WS-15
- 7) Suitable for Art. No. 1781-7..., 20 EUN-7...
- 8) Suitable for Art. No. 2510 N-21..., 2761-20...
- 9) Suitable for Busch-Duro 2000® WS and WW lines.

Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 2) For carat®, <i>all-stainless steel</i> , sol o®, Busch-axcent®, future®, and future® linear. Suitable for Busch Script labelling software. With labels.		
Plastic foil labels 59.7 x 11.7 mm ¹⁾	17991 7	1799-0-0886	1
Plastic foil labels 60.0 x 9.0 mm ³⁾	17991 8	1799-0-0887	1
Plastic foil labels 60.2 x 10.15 mm ⁴⁾	17991 9	1799-0-0888	1

- 1) Suitable for or 1 764N LI-8x.
- 2) 1 piece = 10 sheets
- 3) Suitable for or 20 EUN-8x.
- 4) Suitable for or 1 758-8x.

Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) 2) Plastic foil for Busch-triton® With labels. For Busch-triton®. Only suitable for black and white laser printers Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the KNX database.		
	1799 10	1799-0-0808	1

- 1) Suitable for Art. No. 6321-..., 6322-..., 6323-..., 6324-..., 6325-..., 6326-..., 6327-...
- 2) 1 piece = 1 sheet.

Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) Plastic foil for All Weather 44® labels 66.7 x 10 mm For laser printer. Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the KNX database.		
	1799 12	1799-0-0865	1


- 1) 1 piece = 10 sheets

Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) 2) Plastic foil for ocean labels 57.8 x 9.8 mm for label holder 1763-53, For laser printer. suitable for Busch Script lettering software. The Busch Script software can be found on the Internet or in the KNX database.		
	1799 13	1799-0-0881	1

- 1) Fig. similar.
- 2) 1 piece = 10 sheets


Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) 3) With labels. For KNX sensors carat®, <i>all-stainless steel</i> , solo®, Busch-axcent®, future®, or future® linear. Only suitable for black and white laser printers Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the KNX database.		
Plastic foil, 1gang control cover ²⁾	1799 14	1799-0-0883	1
Plastic foil, 2gang control cover ⁴⁾	1799 15	1799-0-0884	1
Plastic foil, 4gang control cover ⁵⁾	1799 16	1799-0-0885	1

- 1) 1 piece = 1 sheet.
- 2) Suitable for Art.-No. 6125-...
- 3) Not suited for colour laser printers.
- 4) Suitable for Art. No. 6126-...
- 5) Suitable for Art.No. 6124-..., 6127-..., 6127 MF..., 6128-..., 6129-...


Product	Article-No.	Order-No.	Pack/Qty
	DIN A 4 labelling sheet 1) With labels. For KNX sensors carat®, <i>all-stainless steel</i> , sol o®, Busch- <i>axcent</i> ®, fut ure®, or future® linear. Only suitable for black and white laser printers The film is imprinted in white text for the colours meteor (-803), manhattan (-85) and anthracite (-81) by the Busch-Jaeger marking service. Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the KNX database.		

Plastic foil, 1gang control cover 2)		
179923	1799-0-0910	1
Plastic foil, 2gang control cover 3)		
179924	1799-0-0911	1
Plastic foil, 4gang control cover 4)		
179925	1799-0-0912	1

- 1) 1 piece = 1 sheet.
- 2) Suitable for part. no. 6125 and -10.
- 3) Suitable for part. no. 6126 and -10.
- 4) Suitable for part no. 6124-xxx-10x, 6127-xxx-10x, 6127 MF-xxx-10x, 6128-xxx-10x, 6129-xxx-10x, 6128/10-xxx-10x

	DIN A 4 labelling sheet 1) Fits Cover Plate for information light 1716-xxx. suitable for Busch Script lettering software. The Busch Script software can be found on the Internet or in the KNX database.		
179921	1799-0-0907	1	

- 1) 1 piece = 1 sheet.

	DIN A 4 labelling sheet 1) For LED display WaveLINE 6730-xxx. For laser printer. Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the KNX database.		
179922	1799-0-0909	1	

- 1) 1 piece = 1 sheet.

For custom labelling, please contact the Busch-Jaeger labelling vice. Ser
Our Central Sales Service will be pleased to assist you.

Price: on request.

Unique



CARAT® CONFIRMS OUR EXPLICIT BELIEF IN SOPHISTICATED DESIGN. ITS STRAIGHT AND ELEGANT SHAPE COMBINED WITH HIGH-GRADE NATURAL MATERIALS MAKES IT AN ABSOLUTE EYE-CATCHER.



bronze

NEW



glass black

NEW



stainless steel



gold



chrome



glass white

Material

Rocker switch: thermoplastic (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Frame: genuine materials.



2gang combination switch/socket outlet.
Colour: glass black.

Rocker switches	68
Cover plates	69
SCHUKO® socket outlets	72
WaveLINE LED display	75
Busch Watchdog	75
Cover frame	76

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch Universal Rotary Dimmer



Doorbell switch



Busch-Memory 2gang dimmer



Busch-Comfort switch



IR sensor with 1fold control element



SCHUKO® socket outlet



International socket outlet



Cover Plate with rotary control



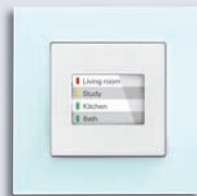
Busch-Blind control switch with semi-cylindrical lock



Comfort timer



Room thermostat with display



WaveLINE LED display



Busch-AudioWorld® DigitalRadio



Busch-AudioWorld® loudspeaker 2''



Busch-AudioWorld® Intercom amplifier



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Data communication outlet

The carat® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



Busch-ComfortTouch®



Busch-priOn®



KNX sensor
1fold
with labelling field*



KNX sensor
2fold
with labelling field*



KNX sensor
4fold
with labelling field*



KNX sensor 4fold control
element multifunction with
labelling field*



KNX sensor IR sensor
with 3fold control element
and labelling field*



KNX room thermostat
with 2fold sensor and
labelling field*

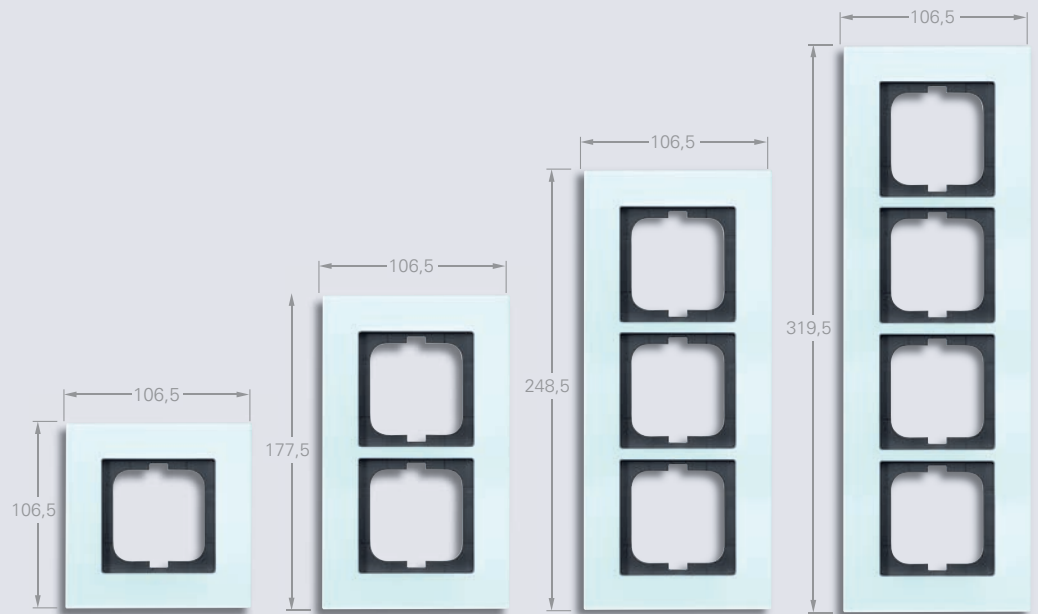


KNX Flush-mounted
movement detector




KNX USB interface*


1 to 4 gang cover
frame for horizontal and
vertical installation.




*Please find further information in
the chapter ABB i-bus® KNX.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
81 anthracite *)	1786-81	1751-0-2926	10/100
82 savanna/ivory white	1786-82	1751-0-2741	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100


*) Phase-out type

	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81 anthracite *)	1789-81	1751-0-2928	10
82 savanna/ivory white	1789-82	1751-0-2813	10
84 davos/studio white	1789-84	1751-0-2814	10/100


*) Phase-out type

	Switch rocker With symbol For flush mounted push switch.		
81 anthracite *)	1789LI-81	1751-0-2931	10
82 savanna/ivory white	1789LI-82	1751-0-2745	10
84 davos/studio white	1789LI-84	1751-0-2753	10/100


*) Phase-out type

	Switch rocker With bell symbol For flush mounted push switch.		
81 anthracite *)	1789K I-81	1751-0-2932	10
82 savanna/ivory white	1789K I-82	1751-0-2746	10
84 davos/studio white	1789K I-84	1751-0-2754	10

*) Phase-out type

	Switch rocker With key symbol For flush mounted push switch.		
81 anthracite *)	1789 TR-81	1751-0-2933	10
82 savanna/ivory white	1789 TR-82	1751-0-2747	10
84 davos/studio white	1789 TR-84	1751-0-2755	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) With labelling field With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm.		
81 anthracite *)	1764 NLI-81	1731-0-1552	10
82 savanna/ivory white	1764 NLI-82	1731-0-1876	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100


1) See labelling sheet 1799 xx.

2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.


*) Phase-out type

	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
81 anthracite *)	1788-81	1751-0-2927	10
82 savanna/ivory white	1788-82	1751-0-2742	10
84 davos/studio white	1788-84	1751-0-2750	10/100


*) Phase-out type

	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
81 anthracite *)	1785-81	1751-0-2930	10
82 savanna/ivory white	1785-82	1751-0-2744	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100


*) Phase-out type


	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
81 anthracite *)	1789 H-81	1751-0-2929	10
82 savanna/ivory white	1789 H-82	1751-0-2743	10
84 davos/studio white	1789 H-84	1751-0-2751	10


*) Phase-out type


	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US.		
81 anthracite *)	1720-81	1731-0-1914	10
82 savanna/ivory white	1720-82	1731-0-1915	10
84 davos/studio white	1720-84	1731-0-1916	10


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
81 anthracite *)	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
81 anthracite *)	6067-81	6020-0-1380	1/10
82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
81 anthracite *)	6540-81-101	6599-0-2880	10
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
1) Replacement neon lamp, Art. No. 3855. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
81 anthracite *)	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
1) Compatible with previous type 6543-xxx. 2) Touch-type Controller 6550 U-xxx non-illuminable. 3) Replacement neon lamp 3857. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element 1) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite *)	6815-81	6800-0-2284	1/10
82 savanna/ivory white	6815-82	6800-0-2285	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
1) Please order the respective flush mounted insert separately. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
81 anthracite *)	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
1) Replacement neon lamp 3857. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
81 anthracite *)	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
1) Touch-type Controller 6550 U-xxx non-illuminable *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/ push switch. For inserts 2000/4 and 2020/4 US.		
81 anthracite *)	1785 JA-81	1751-0-2934	10
82 savanna/ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
81 anthracite *)	1740-81	1710-0-3623	10
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
81 anthracite *)	2542 DR/01-81	1710-0-3644	10
82 savanna/ivory white	2542 DR/01-82	1710-0-3645	10
84 davos/studio white	2542 DR/01-84	1710-0-3646	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
81 anthracite *)	1773 JA-81	1724-0-4251	10
82 savanna/ivory white	1773 JA-82	1724-0-2757	10
84 davos/studio white	1773 JA-84	1724-0-2760	10


*) Phase-out type

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
81 anthracite *)	2542 DR/02-81	1710-0-3649	10
82 savanna/ivory white	2542 DR/02-82	1710-0-3650	10
84 davos/studio white	2542 DR/02-84	1710-0-3651	10


*) Phase-out type

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
81 anthracite *)	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10


*) Phase-out type

	Cover plate For Busch-Short-time timer insert 6465 U.		
81 anthracite *)	1773-81	1753-0-9906	10
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10


*) Phase-out type

	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
81 anthracite *)	1775 S/W-81-101	1710-0-3625	10
82 savanna/ivory white	1775 S/W-82-101	1710-0-3156	10
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10


*) Phase-out type

	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
81 anthracite *)	1773/10-81	1753-0-9911	10
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10

*) Phase-out type


	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10

*) Phase-out type

	Cover plate 1) With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
81 anthracite *)	1755S L/PZ-81-101	1710-0-3626	10
82 savanna/ivory white	1755S L/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755S L/PZ-84-101	1710-0-3175	10

1) Refer to marking plate 1799 18 and labelling software.


*) Phase-out type

	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
81 anthracite *)	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1


1) Included with the cover are 46 different text labels and symbols.

2) See labelling sheet 1799 xx.

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
81 anthracite *)	1742-81	1710-0-3612	10
82 savanna/ivory white	1742-82	1710-0-3143	10
84 davos/studio white	1742-84	1710-0-3161	10/100

*) Phase-out type


	Cover plate 1) With metal mounting plate With strain relief (without terminal block).		
81 anthracite *)	1749-81	1710-0-3614	10
82 savanna/ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).


*) Phase-out type

	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite *)	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100


*) Phase-out type

	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite *)	1803-02-81	1710-0-3615	10
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box. Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite *)	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100


*) Phase-out type

	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm² rigid. With screw-type terminal.		
81 anthracite *)	1751-81	1723-0-0253	10
82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100

*) Phase-out type

	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite *)	1745-81	1710-0-3624	10
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10


*) Phase-out type

	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite *)	1743-81	1724-0-4252	10
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100

1) Third opening can be knocked out.


2) See inserts for satellite coaxial socket outlets.


*) Phase-out type


	Cover plate 1) With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite *)	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10


1) Labelling sheets 1799 18 and labelling software.

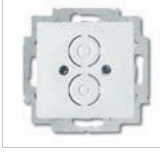
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite *)	1746/10-81	1710-0-3628	10
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
*) Phase-out type			


	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747S I-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10


	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite *)	1746-81	1710-0-3618	10
82 savanna/ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
*) Phase-out type			


	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite *)	1748-81	1710-0-3654	10
82 savanna/ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
*) Phase-out type			


	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite *)	1750-81	1710-0-3617	10
82 savanna/ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
81 anthracite *)	2095 UC-81	2495-0-0084	10
82 savanna/ivory white	2095 UC-82	2495-0-0085	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
*) Phase-out type			

	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
81 anthracite *)	2533-81	1724-0-4254	10
82 savanna/ivory white	2533-82	1724-0-4255	10
84 davos/studio white	2533-84	1724-0-4256	10
*) Phase-out type			


	Cover plate 1) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
81 anthracite *)	1758-81	1724-0-4253	10
82 savanna/ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
1) Labelling sheets 1799,1799 02,1799 19 and labelling software. *) Phase-out type			

	SCHUKO® socket outlet 1) With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	20 EUC-81	2011-0-3801	10/100
82 savanna/ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. *) Phase-out type			


	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	20 EUCKS-81	2013-0-5265	10
82 savanna/ivory white	20 EUCKS-82	2013-0-5244	10/100
84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Increased shock protection. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1)) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	20E UK-81	2018-0-1486	10
82 savanna/ivory white	20E UK-82	2018-0-1465	10
84 davos/studio white	20E UK-84	2018-0-1467	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
*) Phase-out type

	SCHUKO® socket outlet 1) 2)) With label area 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	20E UN-81	2011-0-3802	10
82 savanna/ivory white	20E UN-82	2011-0-3726	10
84 davos/studio white	20E UN-84	2011-0-3727	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.
*) Phase-out type

	Busch-Protector®S CHUKO® socket outlet 1)) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	2310EUGL/ VA-81-11	2011-0-3830	1
82 savanna/ivory white	2310EUGL/ VA-82-11	2011-0-3831	1
84 davos/studio white	2310EUGL/ VA-84-11	2011-0-3833	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
*) Phase-out type

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3)) With integrated earth leakage breaker. Shuttered. DP cut off (P/N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) 3)) With marking "EDV" With screwless terminal. 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite *)	20 EUCKS/DV-81	2013-0-5266	10
82 savanna/ivory white	20 EUCKS/DV-82	2013-0-5267	10
84 davos/studio white	20 EUCKS/DV-84	2013-0-5268	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection.
*) Phase-out type

	SCHUKO® socket outlet 1) 2)) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10










1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.


	SCHUKO® socket outlet Busch-steplight® 1) 2)) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBLI-82	2013-0-5292	10
84 studio white	20 EUCBLI-84	2013-0-5294	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.


	13 A Switched socket outlet 1gang With screw-type terminal. SP switched Without claw. Only for mounting in VDE flush-mounted wallboxes CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part 2		
81 anthracite *)	2190 EUC-81	2190-0-0216	10/100
82 savanna/ivory white	2190 EUC-82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	2-gang Euro American socket outlet, 10A 2gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 10 A				International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
81 anthracite	delivery on special request 2192-02 UC-81-500 delivery on special request			81 anthracite	delivery on special request 2197 EUC-81-500 delivery on special request		
82 savanna/ivory white	2192-02 UC-82-500 delivery on special request			82 savanna/ivory white	2197 EUC-82-500 delivery on special request		
84 davos/studio white	2192-02 UC-84-500			84 davos/studio white	2197 EUC-84-500		
	Chinese socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A				Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	delivery on special request 2193 EUC/10-81-500 delivery on special request			81 anthracite	delivery on special request 2196 EUC-81-500 delivery on special request		
82 savanna/ivory white	2193 EUC/10-82-500 delivery on special request			82 savanna/ivory white	2196 EUC-82-500 delivery on special request		
84 davos/studio white	2193 EUC/10-84-500			84 davos/studio white	2196 EUC-84-500		
	Chinese socket outlet, 16 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A				Cover plate For room thermostat for thermostat 1094 U, 1097 U		
81 anthracite	delivery on special request 2193 EUC/16-81-500 delivery on special request			81 anthracite *)	1794-81	1710-0-3629	10
82 savanna/ivory white	2196 EUC/16-82-500 delivery on special request			82 savanna/ivory white	1794-82	1710-0-3543	10
84 davos/studio white	2193 EUC/16-84-500			84 davos/studio white	1794-84	1710-0-3544	10
				*) Phase-out type			
	Chinese and Euro American socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A				Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
81 anthracite	delivery on special request 2195 EUC/10-81-500 delivery on special request			81 anthracite *)	1795-81	1710-0-3630	10
82 savanna/ivory white	2195 EUC/10-82-500 delivery on special request			82 savanna/ivory white	1795-82	1710-0-3568	10
84 davos/studio white	2195 EUC/10-84-500			84 davos/studio white	1795-84	1710-0-3569	10
				*) Phase-out type			
					Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
				81 anthracite *)	1794 TA-81	1710-0-3695	10
				82 savanna/ivory white	1794 TA-82	1710-0-3696	10
				84 davos/studio white	1794 TA-84	1710-0-3698	10
				*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
81 anthracite *)	1795 TA-81	1710-0-3722	10
82 savanna/ivory white	1795 TA-82	1710-0-3723	10
84 davos/studio white	1795 TA-84	1710-0-3725	10

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
81 anthracite *)	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1

1) See labelling sheet 1799 xx.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite *)	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10


1) Please order the respective flush mounted insert separately.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
81 anthracite *)	6800-81-104M	6800-0-2269	1
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10


1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame For vertical or horizontal installation.		
810 glasswhite	1721-810	1754-0-4250	1
821 bronze	1721-821	1754-0-4258	1
860 stainlesssteel	1721-860	1754-0-4254	1
825 glassblack	1721-825	1754-0-4322	1

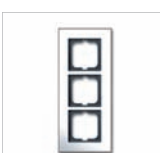
	Cover frame 2gang frame For vertical or horizontal installation.		
810 glasswhite	1722-810	1754-0-4251	1
821 bronze	1722-821	1754-0-4259	1
860 stainlesssteel	1722-860	1754-0-4255	1
825 glassblack	1722-825	1754-0-4323	1


	Cover frame 3gang frame For vertical or horizontal installation.		
810 glasswhite	1723-810	1754-0-4252	1
821 bronze	1723-821	1754-0-4260	1
860 stainlesssteel	1723-860	1754-0-4256	1
825 glassblack	1723-825	1754-0-4324	1

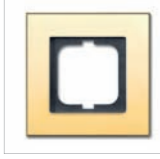
	Cover frame 4gang frame For vertical or horizontal installation.		
810 glasswhite	1724-810	1754-0-4253	1
821 bronze	1724-821	1754-0-4261	1
860 stainlesssteel	1724-860	1754-0-4257	1
825 glassblack	1724-825	1754-0-4325	1


	Cover frame 1gang frame For vertical or horizontal installation.		
826 chrome	1721-826-101	1754-0-4360	1


	Cover frame 2gang frame For vertical or horizontal installation.		
826 chrome	1722-826-101	1754-0-4361	1


	Cover frame 3gang frame For vertical or horizontal installation.		
826 chrome	1723-826-101	1754-0-4362	1

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 4gang frame For vertical or horizontal installation.		
826 chrome	1724-826-101	1754-0-4363	1

	Cover frame 1gang frame For vertical or horizontal installation. Real 24-carat gold-plated		
823 gold	1721-823-101	1754-0-4356	1

	Cover frame 2gang frame For vertical or horizontal installation. Real 24-carat gold-plated		
823 gold	1722-823-101	1754-0-4357	1

	Cover frame 3gang frame For vertical or horizontal installation. Real 24-carat gold-plated		
823 gold	1723-823-101	1754-0-4358	1

	Cover frame 4gang frame For vertical or horizontal installation. Real 24-carat gold-plated		
823 gold	1724-823-101	1754-0-4359	1

Superb, noble,
and durable materials



PURE STAINLESS STEEL IS COMPLETELY WITHOUT COMPROMISE IN ITS DESIGN, MATERIAL PROPERTIES, AND DURABILITY. AS A RESULT OF THIS IDEA, THE NEW QUALITY CLAIM BECOMES CLEAR: THE PERFECT COMBINATION OF AESTHETICS, FUNCTION AND LONG LIFE.



Switch/push-switch



2gang-1way/2way
switch



Busch-Blind control switch



PC socket outlet



Antenna socket for
radio/TV/satellite



20A double pole switch
with marking and indicator

Materials: The series is surface-coated in a special manufacturing process. This means that fingerprints or other greasy spots are reduced to a minimum (anti-fingerprint).



reddot design award
winner 2007



2gang combination switch/socket outlet, shuttered.
Design: *pure stainless steel*. Colour: stainless steel.

Rocker switches	82
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SCHUKO® socket outlets	86
WaveLINE LED display	88
Busch Watchdog	88
Cover frame	89

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Doorbell switch



Busch-Memory 2gang dimmer



Busch-Comfort switch



IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



International socket outlet



Busch-Blind control switch with rotary knob



Busch-Blind control switch with semi-cylindrical lock



Comfort timer



Room thermostat with display



WaveLINE LED display



Busch-AudioWorld® DigitalRadio



Busch-AudioWorld® loudspeaker 2"



Busch-AudioWorld® Intercom amplifier



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Data communication outlet

The *pure stainless steel* switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor
1fold
with labelling field*



KNX sensor
2fold
with labelling field*



KNX sensor
4fold
with labelling field*



KNX sensor 4fold control
element multifunction
with labelling field*



KNX-IR-Sensor IR sensor
with 3fold control
element and labelling
field*



KNX room thermostat
with 2fold KNX sensor
with labelling field*

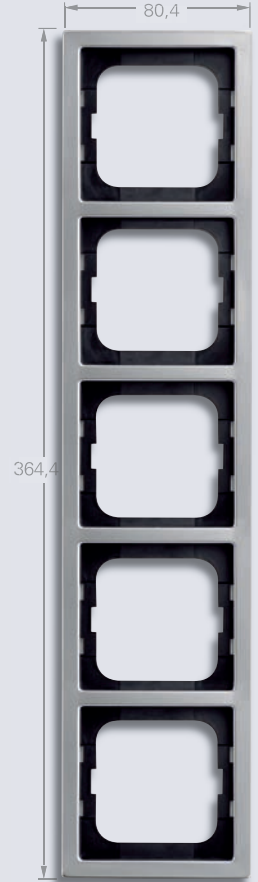
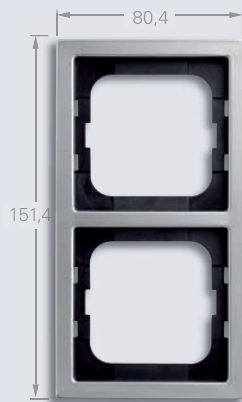
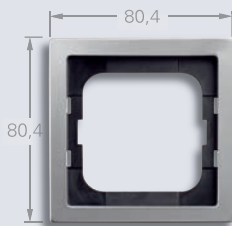









KNX Flush-mounted
movement detector*









KNX USB interface*

1 to 5 gang cover
frame for horizontal and
vertical installation.



Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1786-866	1751-0-2956	10/100
	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1789-866	1751-0-2957	10/100
	Switch rocker With symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1789LI-866	1751-0-2958	10
	Switch rocker With bell symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1789K I-866	1751-0-2959	10
	Switch rocker With key symbol For flush mounted push switch. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1789 TR-866	1751-0-2960	10
	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the marking plate. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm. Surface painted		
866 stainlesssteel	1764NLI-866	1731-0-1953	10
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1788-866	1751-0-2961	10

1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch Material stainless steel. Anti fingerprint.		
866 stainless steel	1785-866	1751-0-2962	10/100
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter". Material stainless steel. Anti fingerprint.		
866 stainless steel	1789 H-866	1751-0-2963	10
	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US. Material stainless steel. Anti fingerprint.		
866 stainless steel	1720-866	1731-0-1954	10
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. Surface painted		
866 stainless steel	6541-866	6599-0-2924	10
	Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. Material stainless steel. Anti fingerprint.		
866 stainless steel	6540-866-101	6599-0-2925	10/100
1) Replacement neon lamp 3856.			
	Busch-Comfort switch control element 1) 2) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
866 stainless steel	6815-866	6800-0-2345	10/10

1) Please order the respective flush mounted insert separately.
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible. Surface painted		
866 stainlesssteel	6066-866	6020-0-1389	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable


	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible. Surface painted		
866 stainlesssteel	6067-866	6020-0-1390	1/10

	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U Surface painted		
866 stainlesssteel	6543-866-101	6599-0-2926	1/10


1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp3857.

	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	6545-866	6599-0-2927	1/10


1) Replacement neon lamp3857.


	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1785J A-866	1751-0-2964	10


	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1740-866	1710-0-3748	10

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	2542 DR/01-866	1710-0-3758	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U. Material stainless steel. Anti fingerprint.		
866 stainless steel	2542 DR/02-866	1710-0-3759	10


	Cover plate For Busch-Short-time timer insert 6465 U. Surface painted		
866 stainless steel	1773-866	1753-0-0103	10


	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. Surface painted		
866 stainless steel	1773/10-866	1753-0-0104	10

	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF. Surface painted		
866 stainless steel	6435-866	6430-0-0344	10

	Cover plate 1) With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101. Surface painted		
866 stainless steel	1755 SL/PZ-866-101	1710-0-3749	10

1) Refer to marking plate 1799 18 and labelling software.

	Cover plate For Memory control element 6457. Surface painted		
866 stainless steel	1773 JA-866	1724-0-4269	10

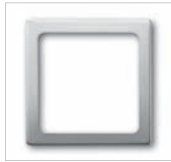
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Surface painted		
866 stainless steel	6430-866-102	6430-0-0343	1/10

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
For Busch-Wind and sun blind switch insert 6480 U-10x.
Surface painted

866 stainlesssteel **1775S /W-866-101** 1710-0-3750 10



Cover plate 1) 2)
As cover for flush mounted info light.
For insert 2062 U.
Size of information field 43 x 43 mm.
Surface painted

866 stainlesssteel **1716-866** 1731-0-1955 1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.



Blank plate
With metal mounting plate
Material stainless steel.
Anti fingerprint.

866 stainlesssteel **1742-866** 1710-0-3751 10



Cover plate 1)
With metal mounting plate
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).
Material stainless steel.
Anti fingerprint.

866 stainlesssteel **1749-866** 1710-0-3752 10

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).



Cover plate 1)
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.
Brand-Rex (WAEGV 8 EKR/EK).
BTR (universal data connecting unit design and IAE design).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.
With labelling field.
Size of labelling field: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.

866 stainlesssteel **1803-866** 1710-0-3763 10/100

1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate 1)
2gang
As cover for universal data connection boxes.
Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck.
Brand-Rex (WAEGV 8/8 EKR/EK).
AMP (NETCONNECT 5E).
BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design).
cti (cti-wire 2.8 Cat.6).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.
With labelling field.
Size of labelling field: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1803-02-866** 1710-0-3764 10/100

1) See labelling sheet 1799 xx.



Cover plate
For German telephone telephone unit insert.
For German telephone Universal data connecting unit / telephone unit insert
For loudspeaker connection box
Suitable for Art. No. 0247 and 0248.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).
Anti fingerprint.

866 stainless steel **1766-866** 1710-0-3765 10/100



Cover plate
With metal mounting plate
fixing claws
loudspeaker inserts and cover.
Conductor cross-sections up to 4 mm² rigid.
With screw-type terminal.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1751-866** 1723-0-0255 10



Cover plate
As cover for telephone connector boxes (VDo).
Can be knocked out for single or double connection.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1745-866** 1710-0-3766 10



Cover plate 1) 2)
As cover for standard Radio/TV/SAT socket outlets.
With 2 connectors
DIN 45330.
Radio/TV/SAT.
with M3 fixing screw.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1743-866** 1724-0-4271 10/100

1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.



Cover plate 1)
With label area
For modular jack with slide entrance.
To fit only Art. No. 1810, 1812, 1814, 1816 and 1818.
Size of labelling field: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1800-866** 1710-0-3767 10

1) Labelling sheets 1799 18 and labelling software.

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
With hinged lid.
For telecommunication.
With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.
Surface painted

866 stainlesssteel **1746-866** 1710-0-3769 10



Cover plate
For telecommunication.
With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.
Surface painted

866 stainlesssteel **1746/10-866** 1710-0-3768 10



Cover plate
With metal mounting plate
For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329.
Knock-out openings 6, 8, 18 mm.
Material stainless steel.
Anti fingerprint.

866 stainlesssteel **1748-866** 1710-0-3760 10



Cover plate
With metal mounting plate
As cover for BNC and TNC sockets.
Knock-out openings 6, 8, 18 mm.
Material stainless steel.
Anti fingerprint.

866 stainlesssteel **1750-866** 1710-0-3770 10



Equipotential socket outlet
2gang
Without claw.
For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm².
IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007
Connection bolts German Standard DIN 42801.
Surface painted

866 stainlesssteel **2095 UC-866** 2495-0-0090 10



Cover plate
With metal mounting plate
With screw-type terminal.
Fixed with central locknut.
As cover for pilot devices with a diameter of 22.5 mm
Without claw.
Surface painted

866 stainlesssteel **2533-866** 1724-0-4270 10

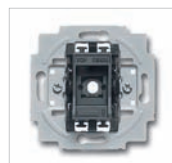


Cover plate ¹⁾
With metal mounting plate
for communication devices.
With labelling field 60.2 x 10.2 mm.
Surface painted
Without claw.

866 stainlesssteel **1758-866** 1724-0-4272 10

1) Labelling sheets 1799,1799 02,1799 19 and labelling software.

Product	Article-No.	Order-No.	Pack/Qty
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Card-Switch 10 A ¹⁾
SP, with normally open contact (operating current)
Illuminable.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1
2025 U 1012-0-1713 10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.



Cover plate
For card switch
For insert 2025 U.
Suitable for cards sized 54 x 86 mm.
The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.
Material stainless steel.
Anti fingerprint.

866 stainless steel **1792-866** 1710-0-3757 10



Switch rocker
With closed surface
For flush mounted switch 2g 1w, 2g push switch with marking.
DO NOT DISTURB
MAKE UP ROOM
Material stainless steel.
Anti fingerprint.

866 stainless steel **1785/11-866** 1751-0-2996 10



Switch rocker
With closed surface
For flush mounted switch 1g1w, 1g2w, intermediate, push switch.
with marking.
DO NOT DISTURB
Material stainless steel.
Anti fingerprint.

866 stainless steel **1786/11-866** 1751-0-3002 10



Shaver socket outlet ¹⁾
For installation into FM 2gang wall box 3030 and 3031.
Rated voltage: 240 V, +10 % / -10 %
Output voltage: 115 V, +10 % / -10 %
Secondary: 240 V, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Rated power: 20 VA
IEC 61558-2-5:97

866 stainless steel **NEW 2332 UJBS-866** 2130-0-0293 1

1) Surface painted.



Flush mounted wallbox, 2gang
For shaver socket outlet 2332 UJBS-8xx.
Dimensions: (L x W x D): 135 mm x 75 mm x 47 mm

NEW 3030 1741-0-0067 5



Flush mounted cavity wallbox, 2gang
For shaver socket outlet 2332 UJBS-8xx.
Dimensions: (L x W x D): 142 mm x 82 mm x 45 mm


NEW 3031 1741-0-0068 5

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As a cover for volume controllers. Suitable for the "LR mono BJ UP" devices of WHD. Material stainless steel. Anti fingerprint.		
866 stainlesssteel	1740 DR/03-866	1710-0-3812	10


	Loudspeaker insert 1) 2" For amplifier inserts 8211 U, 8212 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS) Frequency response: 150 - 16,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Installation depth: 34 mm		
81 anthracite	8221 U	8200-0-0012	1/10
1) No claw. Screw-fixing via keyholes.			

	Cover plate 1) For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U.		
	<i>pure stainlesssteel</i>		
866 stainlesssteel	8251-866	8200-0-0040	10
1) Surface painted.			

	Miditec online reader Milock Hotel HRC400 BJE for door controller 1) 2) Online reader with contact-free RFID technology (13.56 MHz) RS485 interface (2-wire) for connection to door controller. Power supply via an external power pack. Only with MTZ Milock Hotel Access. Voltage supply: 12 - 24 V DC external. Maximum power consumption: 1.2 W Maximum current consumption: 100 mA Ambient temperature: -10 to +55°C		
	NEW HRC400		
1) Miditec hotel products are available in the following Busch-Jaeger programmes: <i>pure stainless steel, carat®, sol o®, fut ure®, future® linear, and Busch-axcent®</i> from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de .			
2) Also available as an offline reader.			

	Miditec MUR/DND status display H420 BJE 1) Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND). RS485 interface (2-wire) for connection to a MUR/DND push-switch. Power supply via an external power pack. Voltage supply: 12 - 24 V DC external. Maximum power consumption: 1.2 W Maximum current consumption: 100 mA Ambient temperature: -10 to +55°C		
	NEW H420		
1) Miditec hotel products are available in the following Busch-Jaeger programmes: <i>pure stainless steel, carat®, sol o®, fut ure®, future® linear, and Busch-axcent®</i> from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de .			

Product	Article-No.	Order-No.	Pack/Qty
	Miditec energy-saving terminal with online reader HRC910 BJE Milock 1) 2) Online reader with contact-free RFID technology (13.56 MHz) RS485 interface (2-wire) for connection to door controller. Release of power circuits via the door controller for light and electronic devices (air conditioner, TV, etc.) through the insertion of a Milock RFID card. Power supply via an external power pack. Only with MTZ Milock Hotel Access. Voltage supply: 12 - 24 V DC external. Maximum power consumption: 1.8 W Maximum current consumption: 150 mA Ambient temperature: -10 to +55°C		
	NEW HRC910		
1) Miditec hotel products are available in the following Busch-Jaeger programmes: <i>pure stainless steel, carat®, solo®, future®, future® linear, and Busch-axcent®</i> from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de .			
2) Also available as a variant with an offline reader and as a variant without a reader.			

	Miditec DND/MUR push-switch HC920 BJE 1) Push-switch for the hotel room for the activation of the external displays "Make Up Room" (MUR) and "Do Not Disturb" (DND). RS485 interface (2-wire) for connection to door controller. Power supply via an external power pack. Only with MTZ Milock Hotel and with MTZ Milock Hotel Access. Voltage supply: 12 - 24 V DC external. Maximum power consumption: 1.2 W Maximum current consumption: 100 mA Ambient temperature: -10 to +55°C		
	NEW HC920		
1) Miditec hotel products are available in the following Busch-Jaeger programmes: <i>pure stainless steel, carat®, solo®, future®, future® linear, and Busch-axcent®</i> from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de .			

	Miditec offline reader Milock Hotel HORC420 BJE 1) 2) Offline reader with contact-free RFID technology (13.56 MHz) Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND). Doorbell push-switch RS485 interface (2-wire) for connection to door controller. Power supply via an external power pack. Only with MTZ Milock Hotel and with MTZ Milock Hotel Access. Voltage supply: 12 - 24 V DC external. Maximum power consumption: 1.8 W Maximum current consumption: 150 mA Ambient temperature: -10 to +55°C		
	NEW HORC420		
1) Miditec hotel products are available in the following Busch-Jaeger programmes: <i>pure stainless steel, carat®, solo®, future®, future® linear, and Busch-axcent®</i> from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de .			
2) Also available as an online reader.			

	SCHUKO® socket outlet 1) With screwless terminal. 2 P + E Material stainless steel. Anti fingerprint. Rated voltage: 250 V~ Rated current: 16 A		
866 stainless steel	20 EUC-866	2011-0-3850	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

Product	Article-No.	Order-No.	Pack/Qty
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**SCHUKO® socket outlet 1) 2)
Shuttered**
With screwless terminal.
2 P + E
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainlesssteel **20E UCKS-866** 2013-0-5276 10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Increasedshock kprotecti on.



**SCHUKO® socket outlet 1)
With hinged lid.**
With screwless terminal.
2 P + E
Hinged lid notches when opened.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainlesssteel **20EUK -866** 2018-0-1490 10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1) 2)
With label area**
2 P + E
Size of labelling field: 60.2 x 9.2 mm.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainlesssteel **20E UN-866** 2011-0-3851 10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) See labelling sheet 1799 xx.



**Busch-Protector®S SCHUKO® socket outlet 1)
With overvoltage protection.**
2 P + E
With integrated and external signalling contact.
ISN = 5 kA
Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
Arrestor test class: classification Type 2
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Secondary: 250 V~
Rated current: 16 A

866 stainlesssteel **2310EUGL/VA-866-11** 2011-0-3853 1

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1) 2) 3)
With marking "EDV"**
With screwless terminal.
2 P + E
Shuttered.
Material stainless steel.
Anti fingerprint.
Rated voltage: 250 V~
Rated current: 16 A

866 stainlesssteel **20EUC KS/DV-866** 2013-0-5277 10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) ForSCH HUKO® socket outlet insert with red cover, see Section Reflex SI.
- 3) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
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**SCHUKO® socket outlet 1)
With control light**
with LED,
2 P + E
Surface painted
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel **20 EUCGL-866** 2011-0-3867 10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1) 2)
With LED control light**
Shuttered.
2 P + E
With transparent lens.
LED colour green.
Surface painted
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel **20 EUCBL-866** 2013-0-5289 10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Resistant to aggressive media, e.g. ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations.



13 A Switched socket outlet
1gang
With screw-type terminal.
SP switched
Without claw.
Only for mounting in VDE flush-mounted sockets types CFB 122 and CFBM 122.
Rated voltage: 250 V~
Rated current: 13 A
BS 1363: part2

866 stainless steel **2190 EUC-866** 2190-0-0217 10



2-gang Euro American socket outlet, 10A 1)
2gang
With screw-type terminal.
SP switched
Without claw.
Rated voltage: 250 V~
Rated current: 10 A

866 stainless steel
delivery on special request
2192-02 UC-866-500

- 1) Surface painted.



Chinese socket outlet, 10A 1)
1gang
With screw-type terminal.
Without claw.
According to Chinese standard: GB 2099.1
Rated voltage: 250 V~
Rated current: 10 A
Rated current: 10 A

866 stainless steel
delivery on special request
2193 EUC/10-866-500

- 1) Surface painted.



Chinese socket outlet, 16A 1)
1gang
With screw-type terminal.
Without claw.
According to Chinese standard: GB 2099.1
Rated voltage: 250 V~
Rated current: 16 A

866 stainless steel
delivery on special request
2193 EUC/16-866-500

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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Chinese and Euro American socket outlet, 10 A ¹⁾
 1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 10 A

866 stainlesssteel

delivery on special request
2195EUC /10-866-500

1) Surface painted.



International socket outlet 13A ¹⁾
 1gang
 With screw-type terminal.
 Without claw.
 Rated voltage: 250 V~
 Rated current: 13 A

866 stainlesssteel

delivery on special request
2197 EUC-866-500

1) Surface painted.



Euro American socket outlet with earth, 16 A ¹⁾
 1gang
 With screw-type terminal.
 Without claw.
 Rated voltage: 250 V~
 Rated current: 16 A

866 stainlesssteel

delivery on special request
2196EUC -866-500

1) Surface painted.



**Cover plate
 For room thermostat**
 for room thermostat 1094 U, 1097 U
 Surface painted

866 stainlesssteel

1794-866 1710-0-3755 10



**Cover plate
 For room thermostat**
 With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.
 Surface painted

866 stainlesssteel

1795-866 1710-0-3756 10



Cover plate
 As cover for flush mounted room thermostat with make contact and time control.
 For inserts 1080 U and 1080 UF.
 Surface painted

866 stainlesssteel

1780-866 1710-0-3754 10



**Cover plate
 For room thermostat**
 For room thermostat 1094 UTA, 1097 UTA
 Surface painted

866 stainlesssteel

1794 TA-866 1710-0-3761 10

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
 For room thermostat**
 With sliding switch for nightly room temperature reduction
 For room thermostat 1095 UTA, 1096 UTA
 Surface painted

866 stainless steel

1795 TA-866 1710-0-3762 10



WaveLINE LED display ^{1) 2) 3)}
 For status display of window handle positions: open = red, closed = green, tilted = yellow.
 Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
 4 individual LED display channels.
 Up to 8 WaveLine transmitters can be taught-in on each LED display channel.
 Up to 8 WaveLine transmitters can be taught-in on onsite operation.
 After a power cut all LED display channels light in red.
 The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
 Status display for depleted WaveLINE transmitter battery.
 Status display for faulty transmission link and defective WaveLINE transmitter.
 User-friendly start-up without PC / software.
 Printed labelling sheet with 8 different inlay sheets.
 For WaveLINE window position sensor 6720-xxx.
 For WaveLINE 6721-xx universal signalling unit.
 For Busch-Watchdog 220 WaveLINE 6745 AGM.
 For Busch-Universal relay switch insert 6404 U.
 For universal dimmer switch insert 6595 U.
 For ABB i-bus[®] KNX devices 6110 U, 6114 U, 6120 U-102.
 Range in free field: approx. 100 m
 Send/receive frequency: 868 MHz.
 Surface painted
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm

866 stainless steel

6730-866 6730-0-0023 1

- 1) See labelling sheet 1799 xx.
- 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 3) Surface painted.




Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)}
With select-lens
 For automatic switching of devices dependent on motion and brightness.
 For relay insert switch 6401 U-102, 6402 U and 6812 U-101.
 For MOS-Fet insert 6804 U-101.
 For Dimmer insert 6593 U.
 For extension insert 6805 U.
 With integrated selector switch for ON-AUTOMATIC-OFF (lockable).
 Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off.
 Surveillance density: 18 sectors with 72 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Detection range: frontal: 12 m, lateral: 8 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m
 Protection class (Sensor): IP 20
 Temperature range (Device): 0 °C to 35 °C

866 stainless steel


6800-866-104 6800-0-2343 1

- 1) Please order the respective flush mounted insert separately.
- 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2) 3)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Surface painted Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	6800-866-104M	6800-0-2344	1

866 stainlesssteel **6800-866-104M** 6800-0-2344 1


- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.
- 3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate ¹⁾ For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U.</p>	8251-866	8200-0-0040	10


1) Surface painted.

 <p>Cover frame ¹⁾ 1gang frame Material stainless steel. Anti fingerprint.</p>	1721-866K	1754-0-4317	10/100
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1) Suitable for installation in trunking systems with 80 mm conduit.

 <p>Cover frame ¹⁾ 2gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.</p>	1722-866K	1754-0-4318	10/100
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1) Suitable for installation in trunking systems with 80 mm conduit.

 <p>Cover frame ¹⁾ 3gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.</p>	1723-866K	1754-0-4319	10
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1) Suitable for installation in trunking systems with 80 mm conduit.

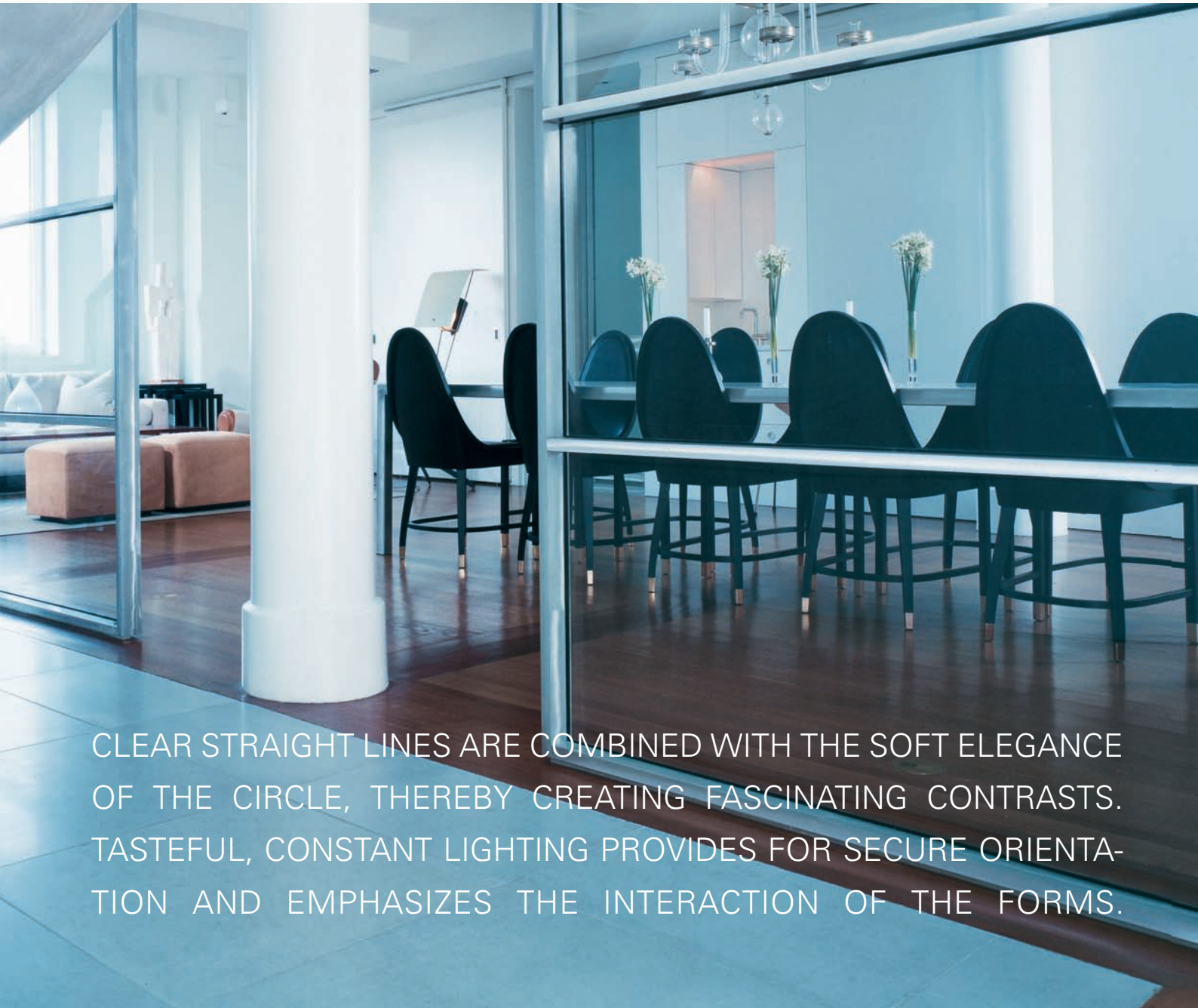
 <p>Cover frame ¹⁾ 4gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.</p>	1724-866K	1754-0-4320	1
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1) Suitable for installation in trunking systems with 80 mm conduit.

 <p>Cover frame ¹⁾ 5gang frame For vertical or horizontal installation. Material stainless steel. Anti fingerprint.</p>	1725-866K	1754-0-4321	1
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1) Suitable for installation in trunking systems with 80 mm conduit.

Light and form
in perfect harmony



CLEAR STRAIGHT LINES ARE COMBINED WITH THE SOFT ELEGANCE OF THE CIRCLE, THEREBY CREATING FASCINATING CONTRASTS. TASTEFUL, CONSTANT LIGHTING PROVIDES FOR SECURE ORIENTATION AND EMPHASIZES THE INTERACTION OF THE FORMS.



alpine white



ivory/
solar gold



brilliant black

NEW



champagne metallic



aluminium silver/
chrome



blackberry/chrome

Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.



2gang combination switch/socket outlet, shuttered.
Colour: aluminium silver/chrome.



Rocker switches	94
Cover plates	94
SCHUKO® socket outlets	99
Busch Watchdog	101
Cover frame	101

Different by design



Rocker switch 1gang



Rocker switch 2gang



Rocker switch 1gang
with labelling field



Rocker switch 1gang
with labelling field
"Heizungsnotschalter"
and red neon lens



Rocker switch 1gang with
light symbol



Rocker switch 1gang with
key symbol



Busch-Universal rotary
dimmer



Rocker switch with neon



Busch-Memory 2gang
dimmer



Card switch



SCHUKO® socket outlet
shuttered



SCHUKO® socket outlet
with labelling field



SCHUKO® socket outlet
with hinged lid



Busch-Protector®
SCHUKO® socket outlet
with overvoltage protection



Data communication
outlet



Room thermostat



Room thermostat
with nighttime mode



Room thermostat with
display



Count down timer



Movement detector

The *impuls* switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



Busch-Wind and sun blind switch



Comfort timer



Busch-Memory control timer



Busch-Blind control switch with rotary knob



Satellite co-axial outlets Radio/TV 2gang



Antenna socket for radio/TV/satellite

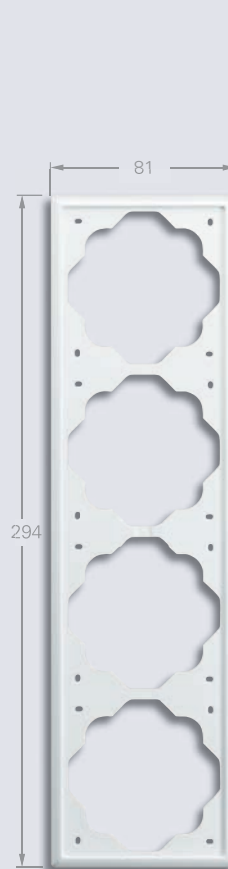
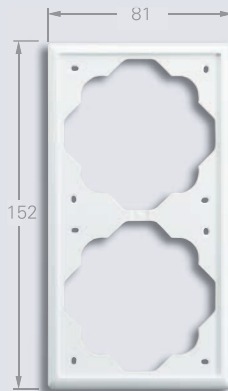
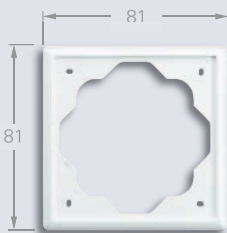



Socket outlet for BNC/TNC bushings




Data communication outlet

1 to 5 gang cover frame for horizontal and vertical installation.

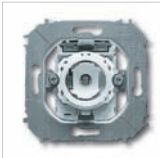


Product	Article-No.	Order-No.	Pack/Qty
 <p>Rocker switch with parallel stroke switch mechanism ^{1) 2)} Suitable for impuls cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1</p>	1gang 2way 2001/6U	1012-0-1614	10/100
	2gang 1way 2001/5U	1012-0-1622	10/100
	2gang 2way 2001/6/6U	1012-0-1671	10
	1gang, intermediate 2001/7U	1012-0-1630	10

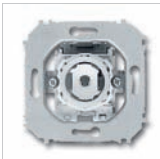
- 1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.

 <p>Rocker switch with parallel stroke mechanism ¹⁾ With neon lamp. Suitable for impuls cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1</p>	1gang 2way ^{2) 3)} 2001/6UK GL-101	1022-0-0615	10
	DP, 1gang 1way ⁴⁾ 2001/2UK GL-101	1022-0-0623	10


- 1) For control lamp replacement 8305.
2) Replacement lamps 8360, 8362, and 8363 and LED inserts.
3) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to energy saving lamp.
4) Luminousri ngnon-i lluminable.

 <p>Push switch ¹⁾ Suitable for impuls cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 A IEC 60669-1</p>	SP, 1gang 2way without N-terminal 2021/6U	1413-0-0871	10
	SP, 1gang 2way with N-terminal ²⁾ 2021/6UK	1413-0-0897	10
	SP, 2x 1gang 2way 2021/6/6U	1413-0-0889	10
	SP, 1gang 2way with 2 independent answering contacts 2021/6US -201	1413-0-1051	10


- 1) Replacement lamps 8360, 8362, and 8363 and LED inserts.
2) For relay and touch dimmer applications.

 <p>Push switch Illuminable. Suitable for impuls cover plate with operating knob. With N terminal. Rated voltage: 24 V~ Rated current: 10 A IEC 60669-1</p>	SP, 1gang 2way with N-terminal ¹⁾ 2021/6UNV	1012-0-1705	10
	SP, 1gang 2way with 2 independent answering contacts 2021/6UNV -201	1012-0-2069	10


- 1) Illuminableusi ngl ampi nsert 8365, 8366, 8367.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate With operating knob and neon lamp. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.</p>	71 brilliant black ¹⁾	1786-71	1753-0-9541 10
	72 ivory	1786-72	1753-0-0066 10/100
	74 alpine white	1786-74	1753-0-4781 10/100
	79 champagne metallic ¹⁾	1786-79	1753-0-5267 10
	777 blackberry	1786-777	1753-0-0120 10
	783 aluminium silver ¹⁾	1786-783	1753-0-0067 10/100


- 1) Surface painted.
*) Phase-out type

 <p>Cover plate With operating knob and neon lamp. With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.</p>	71 brilliant black ¹⁾	1789-71-101	1753-0-9582 10
	72 ivory	1789-72-101	1753-0-0076 10
	74 alpine white	1789-74-101	1753-0-6547 10
	79 champagne metallic ¹⁾	1789-79-101	1753-0-6570 10
	777 blackberry	1789-777-101	1753-0-0125 10
	783 aluminium silver ¹⁾	1789-783-101	1753-0-0077 10


- 1) Surface painted.
*) Phase-out type

 <p>Cover plate With operating knob and neon lamp. For flush mounted switch 2g 1w, 2g push switch</p>	71 brilliant black ¹⁾	1785-71	1753-0-9624 10
	72 ivory	1785-72	1753-0-0064 10/100
	74 alpine white	1785-74	1753-0-4856 10/100
	79 champagne metallic ¹⁾	1785-79	1753-0-5333 10/100
	777 blackberry	1785-777	1753-0-0105 10
	783 aluminium silver ¹⁾	1785-783	1753-0-0065 10/100


- 1) Surface painted.
*) Phase-out type

 <p>Cover plate With operating knob and neon lamp. With symbol For flush mounted push switch.</p>	71 brilliant black ¹⁾	1789 LI-71	1753-0-9665 10
	72 ivory	1789 LI-72	1753-0-0072 10
	74 alpine white	1789 LI-74	1753-0-4815 10
	79 champagne metallic ¹⁾	1789 LI-79	1753-0-5291 10
	777 blackberry	1789 LI-777	1753-0-0123 10
	783 aluminium silver ¹⁾	1789 LI-783	1753-0-0073 10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With operating knob and neon lamp. With bell symbol For flush mounted push switch.		
71 brilliantblack ¹⁾	1789K I-71	1753-0-9707	10
72 ivory	1789K I-72	1753-0-0070	10
74 alpinewhite	1789K I-74	1753-0-4823	10
79 champagne metallic ¹⁾	1789K I-79	1753-0-5309	10
777 blackberry	1789K I-777	1753-0-0122	10
783 aluminiumsilver ¹⁾	1789K I-783	1753-0-0071	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
71 brilliantblack ¹⁾	6541-71	6599-0-2647	10
72 ivory	6541-72	6599-0-2918	10
74 alpine white	6541-74	6599-0-2076	10
79 champagne metallic ¹⁾	6541-79	6599-0-2142	10
777 blackberry	6541-777	6599-0-2933	10
783 aluminiumsilver ¹⁾	6541-783	6599-0-2919	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With operating knob and neon lamp. With key symbol For flush mounted push switch.		
71 brilliantblack ¹⁾	1789 TR-71	1753-0-9749	10
72 ivory	1789 TR-72	1753-0-0074	10
74 alpinewhite	1789 TR-74	1753-0-4831	10
79 champagne metallic ¹⁾	1789 TR-79	1753-0-5317	10
777 blackberry	1789 TR-777	1753-0-0124	10
783 aluminiumsilver ¹⁾	1789 TR-783	1753-0-0075	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
71 brilliantblack ¹⁾	6540-71	6599-0-2688	1
72 ivory	6540-72	6599-0-2916	1
74 alpine white	6540-74	6599-0-2084	1
79 champagne metallic ²⁾	6540-79	6599-0-2159	1
777 blackberry	6540-777	6599-0-2932	1
783 aluminiumsilver ²⁾	6540-783	6599-0-2917	1


1) Replacement neon lamp 3856.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate^{1) 2)} With operating knob and neon lamp. With labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 53 x 8,5 mm		
71 brilliantblack ¹⁾	1781-71	1753-0-9780	10
72 ivory	1781-72	1753-0-0062	10
74 alpinewhite	1781-74	1753-0-4849	10
79 champagne metallic ²⁾	1781-79	1753-0-5325	10
777 blackberry	1781-777	1753-0-0119	10
783 aluminiumsilver ³⁾	1781-783	1753-0-0063	10


1) The labels are clamped under the labelling field.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
71 brilliantblack ¹⁾	6066-71-101	6020-0-1042	1
72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
777 blackberry	6066-777-101	6020-0-1391	1
783 aluminiumsilver ²⁾	6066-783-101	6020-0-1386	1


1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With operating knob and neon lamp. With red neon lens. With labelling field. With marking „Heizung-Notschalter“ As cover for flush mounted control 1g1w, DP. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 53 x 8,5 mm		
71 brilliantblack ¹⁾	1789H -71-101	1753-0-9822	10
72 ivory	1789H -72-101	1753-0-0068	10
74 alpinewhite	1789H -74-101	1753-0-6588	10
79 champagne metallic ¹⁾	1789H -79-101	1753-0-6612	10
777 blackberry	1789H -777-101	1753-0-0121	10
783 aluminiumsilver ¹⁾	1789H -783-101	1753-0-0069	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
72 ivory	6067-72-101	6020-0-1387	1
74 alpine white	6067-74-101-500	6020-0-1224	1
79 champagne metallic ¹⁾	6067-79-101	6020-0-0986	1
777 blackberry	6067-777-101	6020-0-1392	1
783 aluminiumsilver ¹⁾	6067-783-101	6020-0-1388	1


1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ^{1) 2) 3)} Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
71 brilliantblack ¹⁾	6543-71-101	6599-0-2720	1
72 ivory	6543-72-101	6599-0-2920	1
74 alpinewhite	6543-74-101	6599-0-2597	1
79 champagne metallic ⁴⁾	6543-79-101	6599-0-2621	1
777 blackberry	6543-777-101	6599-0-2934	1
783 aluminiumsilver ⁴⁾	6543-783-101	6599-0-2921	1


1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
71 brilliantblack ¹⁾	6545-71	6599-0-2902	1
72 ivory	6545-72	6599-0-2922	1
74 alpinewhite	6545-74	6599-0-2903	1
79 champagne metallic ²⁾	6545-79	6599-0-2905	1
777 blackberry	6545-777	6599-0-2935	1
783 aluminiumsilver ²⁾	6545-783	6599-0-2923	1


1) Replacement neon lamp 3857.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
71 brilliantblack ¹⁾	1740D R-71	1753-0-9863	10
72 ivory	1740D R-72	1753-0-0032	10
74 alpinewhite	1740D R-74	1753-0-4864	10
79 champagne metallic ¹⁾	1740D R-79	1753-0-5341	10
777 blackberry	1740D R-777	1753-0-0106	10
783 aluminiumsilver ¹⁾	1740D R-783	1753-0-0033	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
71 brilliantblack ¹⁾	1773J A-71	1724-0-2414	10
72 ivory	1773J A-72	1724-0-4265	10
74 alpinewhite	1773J A-74	1724-0-2422	10
79 champagne metallic ¹⁾	1773J A-79	1724-0-2455	10
777 blackberry	1773J A-777	1724-0-4285	10
83 aluminiumsilver ¹⁾	1773J A-783	1724-0-4266	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
71 brilliantblack ¹⁾	1792-71	1753-0-9905	10
72 ivory	1792-72	1753-0-0079	10
74 alpine white	1792-74	1753-0-6703	10
79 champagne metallic ¹⁾	1792-79	1753-0-6737	10
777 blackberry	1792-777	1753-0-0126	10
783 aluminiumsilver ¹⁾	1792-783	1753-0-0080	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
71 brilliantblack ¹⁾	6430-71	6430-0-0227	1
72 ivory	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic ²⁾	6430-79	6430-0-0177	1
777 blackberry	6430-777	6430-0-0346	1
783 aluminiumsilver ²⁾	6430-783	6430-0-0338	1


1) Replacement neon lamp 3857.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
71 brilliantblack ¹⁾	1775 S/W-71-101	1710-0-3136	10
72 ivory	1775 S/W-72-101	1710-0-3738	10
74 alpine white	1775 S/W-74-101	1710-0-3137	10
79 champagne metallic ¹⁾	1775 S/W-79-101	1710-0-3140	10
777 blackberry	1775 S/W-777-101	1710-0-3813	10
783 aluminiumsilver ¹⁾	1775 S/W-783-101	1710-0-3739	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
71 brilliantblack ¹⁾	6435-71	6430-0-0299	10
72 ivory	6435-72	6430-0-0341	10
74 alpine white	6435-74	6430-0-0300	10
79 champagne metallic ¹⁾	6435-79	6430-0-0302	10
777 blackberry	6435-777	6430-0-0347	10
783 aluminiumsilver ¹⁾	6435-783	6430-0-0342	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
71 brilliantblack ¹⁾	1773-71	1724-0-2232	10
72 ivory	1773-72	1724-0-4267	10
74 alpinewhite	1773-74	1724-0-2240	10
79 champagne metallic ¹⁾	1773-79	1724-0-2273	10
777 blackberry	1773-777	1724-0-4286	10
83 aluminiumsilver ¹⁾	1773-783	1724-0-4268	10
1) Surface painted. *) Phase-out type			

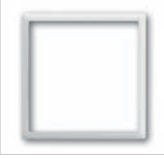
Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
71 brilliantblack ¹⁾	1742-71	1753-0-0169	10
72 ivory	1742-72	1753-0-0034	10
74 alpine white	1742-74	1753-0-4930	10
79 champagne metallic ¹⁾	1742-79	1753-0-5416	10
777 blackberry	1742-777	1753-0-0107	10
783 aluminiumsilver ¹⁾	1742-783	1753-0-0035	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min		
71 brilliantblack ¹⁾	1770-71	1753-0-0250	10
72 ivory	1770-72	1753-0-0057	10
74 alpinewhite	1770-74	1753-0-4906	10
79 champagne metallic ¹⁾	1770-79	1753-0-5382	10
777 blackberry	1770-777	1753-0-0117	10
783 aluminiumsilver ¹⁾	1770-783	1753-0-0058	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
71 brilliantblack ¹⁾	1749-71	1753-0-1928	10
72 ivory	1749-72	1753-0-0046	10
74 alpine white	1749-74	1753-0-5002	10
79 champagne metallic ¹⁾	1749-79	1753-0-5481	10
777 blackberry	1749-777	1753-0-0112	10
783 aluminiumsilver ²⁾	1749-783	1753-0-0047	10
1) Cover plate can also be used individually as cover for telephone connector boxes (VDO). 2) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min		
71 brilliantblack ¹⁾	1771-71	1753-0-0342	10
72 ivory	1771-72	1753-0-0059	10
74 alpinewhite	1771-74	1753-0-4914	10
79 champagne metallic ¹⁾	1771-79	1753-0-5390	10
777 blackberry	1771-777	1753-0-0118	10
783 aluminiumsilver ¹⁾	1771-783	1753-0-0061	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
71 brilliantblack ¹⁾	1803-71	1753-0-0953	10
72 ivory	1803-72	1753-0-0085	10
74 alpine white	1803-74	1753-0-8964	10
79 champagne metallic ¹⁾	1803-79	1753-0-8998	10
777 blackberry	1803-777	1753-0-0130	10
783 aluminiumsilver ¹⁾	1803-783	1753-0-0087	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
71 brilliantblack ¹⁾	1716-71	1731-0-1941	1
72 ivory	1716-72	1731-0-1951	1
74 alpinewhite	1716-74	1731-0-1942	1
79 champagne metallic ³⁾	1716-79	1731-0-1944	1
777 blackberry	1716-777	1731-0-1972	1
783 aluminiumsilver ³⁾	1716-783	1731-0-1952	1
1) Included with the cover are 46 different text labels and symbols. 2) See labelling sheet 1799 xx. 3) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
71 brilliantblack ¹⁾	1803-02-71	1753-0-1076	10
72 ivory	1803-02-72	1753-0-0083	10
74 alpine white	1803-02-74	1753-0-9004	10
79 champagne metallic ¹⁾	1803-02-79	1753-0-9038	10
777 blackberry	1803-02-777	1753-0-0129	10
783 aluminiumsilver ¹⁾	1803-02-783	1753-0-0084	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
71 brilliant black ¹⁾	1766-71	1753-0-0912	10
72 ivory	1766-72	1753-0-0055	10
74 alpinewhi te	1766-74	1753-0-4989	10
79 champagne metallic ¹⁾	1766-79	1753-0-5465	10
777 blackberry	1766-777	1753-0-0116	10
783 aluminiumsi lver ¹⁾	1766-783	1753-0-0056	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With labelling field For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 41.5 x 10 mm.		
71 brilliant black ¹⁾	1800-71	1710-0-1704	10
72 ivory	1800-72	1753-0-0081	10
74 alpinewhi te	1800-74	1753-0-8667	10
79 champagne metallic ²⁾	1800-79	1753-0-8691	10
777 blackberry	1800-777	1753-0-0127	10
783 aluminiumsi lver ²⁾	1800-783	1753-0-0082	10


1) Lettering sheets 1799, 1799 05 and lettering software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
71 brilliant black ¹⁾	1746/10-71	1753-0-3058	10
72 ivory	1746/10-72	1753-0-0041	10
74 alpinewhi te	1746/10-74	1753-0-9046	10
79 champagne metallic ¹⁾	1746/10-79	1753-0-9079	10
777 blackberry	1746/10-777	1753-0-0110	10
783 aluminiumsi lver ¹⁾	1746/10-783	1753-0-0042	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
71 brilliant black ¹⁾	1746-71	1753-0-1324	10
72 ivory	1746-72	1753-0-0043	10
74 alpinewhi te	1746-74	1753-0-4997	10
79 champagne metallic ¹⁾	1746-79	1753-0-5473	10
777 blackberry	1746-777	1753-0-0111	10
783 aluminiumsi lver ¹⁾	1746-783	1753-0-0044	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
71 brilliant black ¹⁾	1758-71	1753-0-1969	10
72 ivory	1758-72	1753-0-0053	10
74 alpine white	1758-74	1753-0-5010	10
79 champagne metallic ²⁾	1758-79	1753-0-5499	10
777 blackberry	1758-777	1753-0-0115	10
783 aluminium silver ²⁾	1758-783	1753-0-0054	10


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate loudspeaker inserts and cover. fixing claws Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
71 brilliant black ¹⁾	1751-71	1753-0-1423	10
72 ivory	1751-72	1753-0-0048	10
74 alpine white	1751-74	1753-0-4971	10
79 champagne metallic ¹⁾	1751-79	1753-0-5457	10
777 blackberry	1751-777	1753-0-0113	10
783 aluminium silver ¹⁾	1751-783	1753-0-0049	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
71 brilliant black ¹⁾	1743-71	1753-0-0581	10
72 ivory	1743-72	1753-0-0039	10
74 alpine white	1743-74	1753-0-4963	10
79 champagne metallic ²⁾	1743-79	1753-0-5440	10
777 blackberry	1743-777	1753-0-0109	10
783 aluminium silver ²⁾	1743-783	1753-0-0040	10


1) See inserts for satellite coaxial socket outlets.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
71 brilliant black ¹⁾	1743-03-71	1753-0-0730	10
72 ivory	1743-03-72	1753-0-0036	10
74 alpine white	1743-03-74	1753-0-4773	10
79 champagne metallic ²⁾	1743-03-79	1753-0-5846	10
777 blackberry	1743-03-777	1753-0-0108	10
783 aluminium silver ²⁾	1743-03-783	1753-0-0038	10


1) See inserts for satellite coaxial socket outlets.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for flush-mounted light signal. For insert 2061/2661 U.		
71 brilliantblack ¹⁾	1756-71	1753-0-0409	10
72 ivory	1756-72	1753-0-0050	10
74 alpinewhite	1756-74	1753-0-4922	10
79 champagne metallic ²⁾	1756-79	1753-0-5408	10
777 blackberry	1756-777	1753-0-0114	10
783 aluminiumsilver ³⁾	1756-783	1753-0-0051	10
	Cap for light signal.		
11 clear-transparent	1565-11	1565-0-0167	10
12 red	1565-12	1565-0-0175	10
13 green	1565-13	1565-0-0183	10


1) Surface painted.
*) Phase-out type

	SCHUKO® socket outlet¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	20E UC-71	2011-0-3504	10
72 ivory	20EUC -72	2011-0-3844	10/100
74 alpinewhite	20EUC -74	2011-0-2696	10/100
79 champagne metallic ²⁾	20EUC -79	2011-0-2761	10/100
777 blackberry	20EUC -777	2011-0-3868	10/100
783 aluminiumsilver ³⁾	20EUC -783	2011-0-3845	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

	SCHUKO® socket outlet¹⁾ 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	20E UCKS-71	2013-0-5208	10
72 ivory	20EUC KS-72	2013-0-5274	10
74 alpinewhite	20EUC KS-74	2013-0-4953	10
79 champagne metallic ²⁾	20EUC KS-79	2013-0-4979	10
777 blackberry	20EUC KS-777	2013-0-5295	10
783 aluminiumsilver ³⁾	20EUC KS-783	2013-0-5275	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increasedshock protection.
3) Surface painted.
*) Phase-out type

	SCHUKO® socket outlet¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	20E UK-71	2018-0-1198	10
72 ivory	20EUK -72	2018-0-1488	10
74 alpinewhite	20EUK -74	2018-0-0992	10
79 champagne metallic ²⁾	20EUK -79	2018-0-1016	10
777 blackberry	20EUK -777	2018-0-1491	10
783 aluminiumsilver ³⁾	20EUK -783	2018-0-1489	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet¹⁾ 2) With labelling field 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	20 EUN-71	2011-0-3546	10
72 ivory	20 EUN-72	2011-0-3846	10
74 alpine white	20 EUN-74	2011-0-2712	10
79 champagne metallic ³⁾	20 EUN-79	2011-0-2787	10
777 blackberry	20 EUN-777	2011-0-3869	10
783 aluminiumsilver ³⁾	20 EUN-783	2011-0-3847	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type

	Busch-Protector® SCHUKO® socket outlet¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	2310 EUGL/VA-71-11	2011-0-3840	1
72 ivory	2310 EUGL/VA-72-11	2011-0-3848	1
74 alpine white	2310 EUGL/VA-74-11	2011-0-3841	1
79 champagne metallic ²⁾	2310 EUGL/VA-79-11	2011-0-3843	1
777 blackberry	2310EUGL/VA-777-11	2011-0-3870	1
783 aluminiumsilver ³⁾	2310EUGL/VA-783-11	2011-0-3849	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

	Socket outlet¹⁾ With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack ¹⁾	20 MUC-71-500	2017-0-0821	10
72 ivory	20 MUC-72-500	2017-0-0843	10
74 alpine white	20 MUC-74-500	2017-0-0822	10
79 champagne metallic ²⁾	20 MUC-79-500	2017-0-0824	10
777 blackberry	20 MUC-777-500	2017-0-0850	10
783 aluminiumsilver ³⁾	20 MUC-783-500	2017-0-0844	10


1) Order-bound manufacturing
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ¹⁾ ²⁾ With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
72 ivory	20M UCKS-72-500	2017-0-0845	10
74 alpinewhi te	20M UCKS-74-500	2017-0-0836	10
79 champagne metallic ³⁾	20M UCKS-79-500	2017-0-0837	10
777 blackberry	20 MUCKS-777-500	2017-0-0851	10
783 aluminiumsi lver ³⁾	20 MUCKS-783-500	2017-0-0846	10


1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-boundm anufacturing
3) Surface painted.

	Socket outlet ¹⁾ With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
74 alpinewhi te	20M UCC-74-500	2017-0-0830	10
79 champagne metallic ²⁾	20M UCC-79-500	2017-0-0831	10


1) Order-boundm anufacturing
2) Surface painted.

	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
71 brilliantbl ack ¹⁾	1794-71	1710-0-3551	10
72 ivory	1794-72	1710-0-3745	10
74 alpinewhi te	1794-74	1710-0-3552	10
79 champagne metallic ¹⁾	1794-79	1710-0-3554	10
777 blackberry	1794-777	1710-0-3816	10
783 aluminiumsi lver ¹⁾	1794-783	1710-0-3744	10


1) Surface painted.
*) Phase-out type

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
71 brilliantbl ack ¹⁾	1795-71	1710-0-3576	10
72 ivory	1795-72	1710-0-3746	10
74 alpinewhi te	1795-74	1710-0-3577	10
79 champagne metallic ¹⁾	1795-79	1710-0-3579	10
777 blackberry	1795-777	1710-0-3817	10
783 aluminiumsi lver ¹⁾	1795-783	1710-0-3747	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
71 brilliant black ¹⁾	1780-71	1710-0-2173	10
72 ivory	1780-72	1710-0-3740	10
74 alpine white	1780-74	1710-0-2181	10
79 champagne metallic ¹⁾	1780-79	1710-0-2215	10
777 blackberry	1780-777	1710-0-3814	10
783 aluminium silver ¹⁾	1780-783	1710-0-3741	10


1) Surface painted.
*) Phase-out type

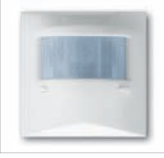
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
71 brilliant black ¹⁾	1794 TA-71	1710-0-3705	10
72 ivory	1794 TA-72	1710-0-3774	10
74 alpine white	1794 TA-74	1710-0-3706	10
79 champagne metallic ¹⁾	1794 TA-79	1710-0-3708	10
777 blackberry	1794 TA-777	1710-0-3818	10
783 aluminium silver ¹⁾	1794 TA-783	1710-0-3775	10


1) Surface painted.
*) Phase-out type


	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
71 brilliant black ¹⁾	1795 TA-71	1710-0-3732	10
72 ivory	1795 TA-72	1710-0-3776	10
74 alpine white	1795 TA-74	1710-0-3733	10
79 champagne metallic ¹⁾	1795 TA-79	1710-0-3735	10
777 blackberry	1795 TA-777	1710-0-3819	10
783 aluminium silver ¹⁾	1795 TA-783	1710-0-3777	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	71 brilliant black 1)	6800-71-104	6800-0-2077	1
	72 ivory	6800-72-104	6800-0-2338	1/10
	74 alpine white	6800-74-104-500	6800-0-2172	1
	79 champagne metallic 1)	6800-79-104	6800-0-2081	1
	777 blackberry	6800-777-104	6800-0-2357	1
	783 aluminium silver 2)	6800-783-104	6800-0-2340	1
	1) Please order the respective flush mounted insert separately.			
	2) Surface painted.			
	*) Phase-out type			


 <p>Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	71 brilliant black 1)	6800-71-104M	6800-0-2093	1
	72 ivory	6800-72-104M	6800-0-2339	1
	74 alpine white	6800-74-104M-500	6800-0-2173	1
	79 champagne metallic 3)	6800-79-104M	6800-0-2097	1
	777 blackberry	6800-777-104M	6800-0-2358	1
	783 aluminium silver 3)	6800-783-104M	6800-0-2341	1
	1) installation: slide switch bottom.			
	2) Please order the respective flush mounted insert separately.			
	3) Surface painted.			
	*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover frame 1gang frame For vertical or horizontal installation.</p>	71 brilliant black 1)	1721-71	1754-0-3468	10
	72 ivory	1721-72	1754-0-4312	10/100
	73 gold	1721-73	1754-0-3492	10/100
	74 alpine white	1721-74	1754-0-2411	10/100
	79 champagne metallic 1)	1721-79	1754-0-2510	10/100
	726 chrome	1721-726	1754-0-4133	10/100
	1) Surface painted.			
	*) Phase-out type			

 <p>Cover frame 2gang frame For vertical or horizontal installation.</p>	71 brilliant black 1)	1722-71	1754-0-3518	10
	72 ivory	1722-72	1754-0-4313	10/100
	73 gold	1722-73	1754-0-3542	10
	74 alpine white	1722-74	1754-0-2429	10/100
	79 champagne metallic 1)	1722-79	1754-0-2528	10
	726 chrome	1722-726	1754-0-4134	10/100
	1) Surface painted.			
	*) Phase-out type			

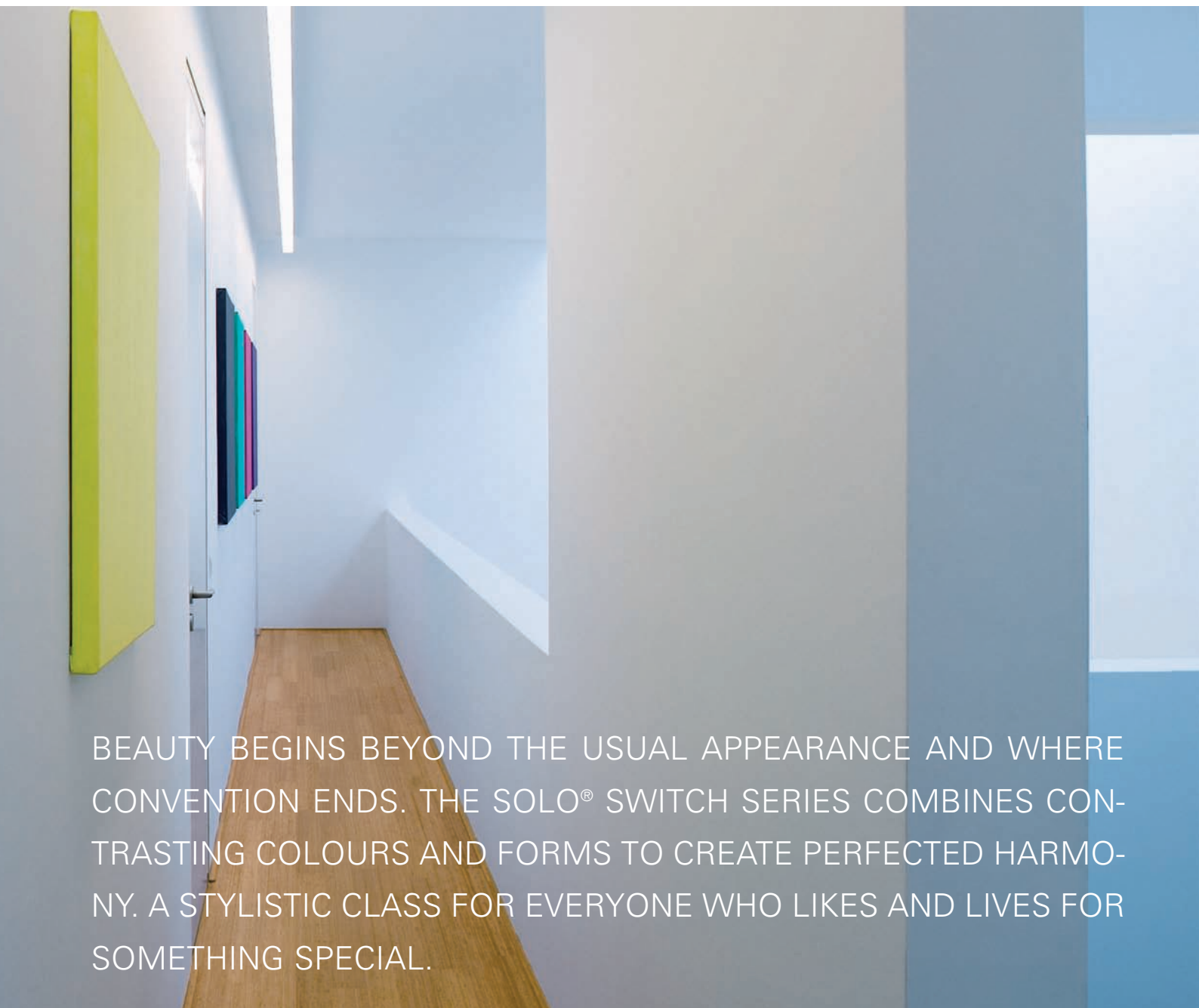
 <p>Cover frame 3gang frame For vertical or horizontal installation.</p>	71 brilliant black 1)	1723-71	1754-0-3567	10
	72 ivory	1723-72	1754-0-4314	10
	73 gold	1723-73	1754-0-3591	10
	74 alpine white	1723-74	1754-0-2437	10
	79 champagne metallic 1)	1723-79	1754-0-2536	10
	726 chrome	1723-726	1754-0-4135	10
	1) Surface painted.			
	*) Phase-out type			

 <p>Cover frame 4gang frame For vertical or horizontal installation.</p>	71 brilliant black 1)	1724-71	1754-0-3617	1
	72 ivory	1724-72	1754-0-4315	1
	73 gold	1724-73	1754-0-3641	1
	74 alpine white	1724-74	1754-0-2445	1
	79 champagne metallic 1)	1724-79	1754-0-2544	1
	726 chrome	1724-726	1754-0-4136	1
	1) Surface painted.			
	*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover frame 5gang frame For vertical or horizontal installation.</p>							
71	brilliantblack ¹⁾	1725-71	1754-0-3666	1			
72	ivory	1725-72	1754-0-4316	1			
73	gold	1725-73	1754-0-3690	1			
74	alpinewhite	1725-74	1754-0-2452	1			
79	champagne metallic ¹⁾	1725-79	1754-0-2551	1			
726	chrome	1725-726	1754-0-4137	1			

1) Surface painted.
*) Phase-out type

Individual in form and colour



BEAUTY BEGINS BEYOND THE USUAL APPEARANCE AND WHERE CONVENTION ENDS. THE SOLO® SWITCH SERIES COMBINES CONTRASTING COLOURS AND FORMS TO CREATE PERFECTED HARMONY. A STYLISTIC CLASS FOR EVERYONE WHO LIKES AND LIVES FOR SOMETHING SPECIAL.



toscana



manhattan



savanna

NEW



sahara

NEW



meteor



davos



husky



samoa*



attica*



2gang combination switch/socket outlet, shuttered.
Colour: davos.

Materials: thermoplastic cover (PC),
impact-proof and fracture-resistant,
UV-resistant, free of PVC and halogen.

Rocker switches	108
Cover plates	109
SCHUKO® socket outlets	114
WaveLINE LED display	118
Busch Watchdog	118
Cover frame	119

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Doorbell switch



Busch-Memory 2gang dimmer



Busch-Comfort switch



IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



International socket outlet



Busch-Blind control switch with rotary knob



Busch-Blind control switch with semi-cylindrical lock



Comfort timer



Room thermostat with display



WaveLINE LED display



Busch-AudioWorld® DigitalRadio



Busch-AudioWorld® loudspeaker 2"



Busch-AudioWorld® Intercom amplifier



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Data communication outlet

The solo® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor
1fold
with labelling field*



KNX sensor
2fold
with labelling field*



KNX sensor
4fold
with labelling field*



KNX sensor 4fold control
element multifunction
with labelling field*



KNX sensor IR sensor
with 3fold control element
and labelling
field*



KNX room thermostat
with 2fold KNX sensor
and labeling field*



KNX Flush-mounted
movement detector*




KNX USB interface*


1 to 5 gang cover
frame for horizontal and
vertical installation.




*Please find further information in
the chapter ABB i-bus® KNX.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
82 savanna/ivory white	1786-82	1751-0-2741	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100
85 manhattan/graphite *)	1786-85	1751-0-2757	10/100
86 samoa/light green *)	1786-86	1751-0-2765	10/100
87 toscana/purple	1786-87	1751-0-2773	10/100
88 attica/pigeon blue *)	1786-88	1751-0-2781	10/100
803 meteor/grey metallic	1786-803	1751-0-3012	10/100
815 sahara/yellow	1786-815	1751-0-3003	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
82 savanna/ivory white	1789 LI-82	1751-0-2745	10
84 davos/studio white	1789 LI-84	1751-0-2753	10/100
85 manhattan/graphite *)	1789 LI-85	1751-0-2761	10
86 samoa/light green *)	1789 LI-86	1751-0-2769	10
87 toscana/purple	1789 LI-87	1751-0-2777	10
88 attica/pigeon blue *)	1789 LI-88	1751-0-2785	10
803 meteor/grey metallic	1789 LI-803	1751-0-3014	10
815 sahara/yellow	1789 LI-815	1751-0-3005	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.		
82 savanna/ivory white	1789-82	1751-0-2813	10
84 davos/studio white	1789-84	1751-0-2814	10/100
85 manhattan/graphite *)	1789-85	1751-0-2815	10/100
86 samoa/light green *)	1789-86	1751-0-2816	10
87 toscana/purple	1789-87	1751-0-2817	10
88 attica/pigeon blue *)	1789-88	1751-0-2818	10
803 meteor/grey metallic	1789-803	1751-0-3013	10
815 sahara/yellow	1789-815	1751-0-3004	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
82 savanna/ivory white	1789 KI-82	1751-0-2746	10
84 davos/studio white	1789 KI-84	1751-0-2754	10
85 manhattan/graphite *)	1789 KI-85	1751-0-2762	10
86 samoa/light green *)	1789 KI-86	1751-0-2770	10
87 toscana/purple	1789 KI-87	1751-0-2778	10
88 attica/pigeon blue *)	1789 KI-88	1751-0-2786	10
803 meteor/grey metallic	1789 KI-803	1751-0-3015	10
815 sahara/yellow	1789 KI-815	1751-0-3006	10


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.		
82 savanna/ivory white	1764NLI-82	1731-0-1876	10
84 davos/studio white	1764NLI-84	1731-0-1877	10/100
85 manhattan/graphite *)	1764NLI-85	1731-0-1878	10
86 samoa/light green *)	1764NLI-86	1731-0-1879	10
87 toscana/purple	1764NLI-87	1731-0-1880	10
88 attica/pigeon blue *)	1764NLI-88	1731-0-1881	10
803 meteor/grey metallic	1764NLI-803	1731-0-1975	10
815 sahara/yellow	1764NLI-815	1731-0-1973	10


1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
82 savanna/ivory white	1789 TR-82	1751-0-2747	10
84 davos/studio white	1789 TR-84	1751-0-2755	10
85 manhattan/graphite *)	1789 TR-85	1751-0-2763	10
86 samoa/light green *)	1789 TR-86	1751-0-2771	10
87 toscana/purple	1789 TR-87	1751-0-2779	10
88 attica/pigeon blue *)	1789 TR-88	1751-0-2787	10
803 meteor/grey metallic	1789 TR-803	1751-0-3016	10
815 sahara/yellow	1789 TR-815	1751-0-3007	10


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
82 savanna/ivory white	1788-82	1751-0-2742	10
84 davos/studio white	1788-84	1751-0-2750	10/100
85 manhattan/graphite *)	1788-85	1751-0-2758	10/100
86 samoa/light green *)	1788-86	1751-0-2766	10
87 toscana/purple	1788-87	1751-0-2774	10
88 attica/pigeon blue *)	1788-88	1751-0-2782	10
803 meteor/grey metallic	1788-803	1751-0-3017	10
815 sahara/yellow	1788-815	1751-0-3008	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
86 samoa/light green *)	6541-86	6599-0-2841	10
87 toscana/purple	6541-87	6599-0-2844	10
88 attica/pigeon blue *)	6541-88	6599-0-2847	10
803 meteor/grey metallic	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
82 savanna/ivory white	1785-82	1751-0-2744	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100
85 manhattan/graphite *)	1785-85	1751-0-2760	10/100
86 samoa/light green *)	1785-86	1751-0-2768	10/100
87 toscana/purple	1785-87	1751-0-2776	10/100
88 attica/pigeon blue *)	1785-88	1751-0-2784	10/100
803 meteor/grey metallic	1785-803	1751-0-3018	10/100
815 sahara/yellow	1785-815	1751-0-3009	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
85 manhattan/graphite *)	6540-85-101	6599-0-2836	10/100
86 samoa/light green *)	6540-86-101	6599-0-2839	10
87 toscana/purple	6540-87-101	6599-0-2842	10
88 attica/pigeon blue *)	6540-88-101	6599-0-2845	10
803 meteor/grey metallic	6540-803-101	6599-0-2941	10
815 sahara/yellow	6540-815-101	6599-0-2937	10
1) Replacement neon lamp, Art. No. 3855. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
82 savanna/ivory white	1789H -82	1751-0-2743	10
84 davos/studio white	1789H -84	1751-0-2751	10
85 manhattan/graphite *)	1789H -85	1751-0-2759	10
86 samoa/light green *)	1789H -86	1751-0-2767	10
87 toscana/purple	1789H -87	1751-0-2775	10
88 attica/pigeon blue *)	1789H -88	1751-0-2783	10
803 meteor/grey metallic	1789H -803	1751-0-3019	10
815 sahara/yellow	1789H -815	1751-0-3010	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Comfort switch control element 1) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	82 savanna/ivory white	6815-82	6800-0-2285	1/10
	84 davos/studio white	6815-84	6800-0-2286	1/10
	85 manhattan/graphite *)	6815-85	6800-0-2287	1/10
	86 samoa/light green *)	6815-86	6800-0-2288	1/10
	87 toscana/purple	6815-87	6800-0-2289	1/10
	88 attica/pigeon blue *)	6815-88	6800-0-2290	1/10
	803 meteor/grey metallic	6815-803	6800-0-2481	1/10
	815 sahara/yellow	6815-815	6800-0-2480	1/10


1) Please order the respective flush mounted insert separately.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.			
	82 savanna/ivory white	6066-82	6020-0-1332	10/10
	84 davos/studio white	6066-84	6020-0-1334	1/10
	85 manhattan/graphite *)	6066-85	6020-0-1336	10/10
	86 samoa/light green *)	6066-86	6020-0-1338	1/10
	87 toscana/purple	6066-87	6020-0-1340	1/10
	88 attica/pigeon blue *)	6066-88	6020-0-1342	1
	803 meteor/grey metallic	6066-803	6020-0-1395	1/10
	815 sahara/yellow	6066-815	6020-0-1393	1/10


1) Touch-type Controller 6550 U-xxx non-illuminable
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.			
	82 savanna/ivory white	6067-82	6020-0-1333	1
	84 davos/studio white	6067-84	6020-0-1335	1
	85 manhattan/graphite *)	6067-85	6020-0-1337	1
	86 samoa/light green *)	6067-86	6020-0-1339	1
	87 toscana/purple	6067-87	6020-0-1341	1
	88 attica/pigeon blue *)	6067-88	6020-0-1343	1
	803 meteor/grey metallic	6067-803	6020-0-1396	1/10
	815 sahara/yellow	6067-815	6020-0-1394	1/10


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty	
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.			
	82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
	84 davos/studio white	6543-84-101	6599-0-2834	1/10
	85 manhattan/graphite *)	6543-85-101	6599-0-2837	1/10
	86 samoa/light green *)	6543-86-101	6599-0-2840	1/10
	87 toscana/purple	6543-87-101	6599-0-2843	1/10
	88 attica/pigeon blue *)	6543-88-101	6599-0-2846	1/10
	803 meteor/grey metallic	6543-803-101	6599-0-2942	1/10
	815 sahara/yellow	6543-815-101	6599-0-2938	1/10


1) Compatible with previous type 6543-xxx.
 2) Touch-type Controller 6550 U-xxx non-illuminable.
 3) Replacement neon lamp 3857.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty	
	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.			
	82 savanna/ivory white	6545-82	6599-0-2907	1/10
	84 davos/studio white	6545-84	6599-0-2908	1/10
	85 manhattan/graphite *)	6545-85	6599-0-2909	1/10
	86 samoa/light green *)	6545-86	6599-0-2910	1/10
	87 toscana/purple	6545-87	6599-0-2911	1/10
	88 attica/pigeon blue *)	6545-88	6599-0-2912	1/10
	803 meteor/grey metallic	6545-803	6599-0-2943	1/10
	815 sahara/yellow	6545-815	6599-0-2939	1/10


1) Replacement neon lamp 3857.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/ push switch. For inserts 2000/4 and 2020/4 US.		
82 savanna/ivory white	1785J A-82	1751-0-2748	10
84 davos/studio white	1785J A-84	1751-0-2756	10/100
85 manhattan/graphite *)	1785J A-85	1751-0-2764	10/100
86 samoa/light green *)	1785J A-86	1751-0-2772	10
87 toscana/purple	1785J A-87	1751-0-2780	10
88 attica/pigeon blue *)	1785J A-88	1751-0-2788	10
803 meteor/grey metallic	1785J A-803	1751-0-3020	10
815 sahara/yellow	1785J A-815	1751-0-3011	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
85 manhattan/graphite *)	1740-85	1710-0-3190	10
86 samoa/light green *)	1740-86	1710-0-3208	10
87 toscana/purple	1740-87	1710-0-3226	10
88 attica/pigeon blue *)	1740-88	1710-0-3244	10
803 meteor/grey metallic	1740-803	1710-0-3840	10
815 sahara/yellow	1740-815	1710-0-3820	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
82 savanna/ivory white	1755S L/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755S L/PZ-84-101	1710-0-3175	10
85 manhattan/graphite *)	1755S L/PZ-85-101	1710-0-3193	10
86 samoa/light green *)	1755S L/PZ-86-101	1710-0-3211	10
87 toscana/purple	1755S L/PZ-87-101	1710-0-3229	10
88 attica/pigeon blue *)	1755S L/PZ-88-101	1710-0-3247	10
803 meteor/grey metallic	1755S L/PZ-803-101	1710-0-3841	10
815 sahara/yellow	1755S L/PZ-815-101	1710-0-3821	10
1) Refer to marking plate 1799 18 and labelling software. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
85 manhattan/graphite *)	1773-85	1753-0-9909	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
85 manhattan/graphite *)	1773/10-85	1753-0-9915	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
82 savanna/ivory white	1773 JA-82	1724-0-2757	10
84 davos/studio white	1773 JA-84	1724-0-2760	10
85 manhattan/graphite *)	1773 JA-85	1724-0-2762	10
86 samoa/light green *)	1773 JA-86	1724-0-2765	10
87 toscana/purple	1773 JA-87	1724-0-2768	10
88 attica/pigeon blue *)	1773 JA-88	1724-0-2771	10
803 meteor/grey metallic	1773 JA-803	1724-0-4290	10
815 sahara/yellow	1773 JA-815	1724-0-4287	10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
85 manhattan/graphite *)	6430-85-102	6430-0-0330	1/10
86 samoa/light green *)	6430-86-102	6430-0-0331	1/10
87 toscana/purple	6430-87-102	6430-0-0332	1/10
88 attica/pigeon blue *)	6430-88-102	6430-0-0333	1/10
803 meteor/grey metallic	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10
*) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10
84 davos/studio white	1775S /W-84-101	1710-0-3174	10
85 manhattan/graphite *)	1775S /W-85-101	1710-0-3192	10
86 samoa/light green *)	1775S /W-86-101	1710-0-3210	10
87 toscana/purple	1775S /W-87-101	1710-0-3228	10
88 attica/pigeon blue *)	1775S /W-88-101	1710-0-3246	10
803 meteor/grey metallic	1775S /W-803-101	1710-0-3842	10
815 sahara/yellow	1775S /W-815-101	1710-0-3822	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
82 savanna/ivory white	1742-82	1710-0-3143	10
84 davos/studio white	1742-84	1710-0-3161	10/100
85 manhattan/graphite *)	1742-85	1710-0-3179	10
86 samoa/light green *)	1742-86	1710-0-3197	10
87 toscana/purple	1742-87	1710-0-3215	10
88 attica/pigeon blue *)	1742-88	1710-0-3233	10
803 meteor/grey metallic	1742-803	1710-0-3843	10
815 sahara/yellow	1742-815	1710-0-3823	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
86 samoa/light green *)	6435-86	6430-0-0308	10
87 toscana/purple	6435-87	6430-0-0309	10
88 attica/pigeon blue *)	6435-88	6430-0-0310	10
803 meteor/grey metallic	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10,3 mm diameter. With strain relief (without terminal block).		
82 savanna/ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100
85 manhattan/graphite *)	1749-85	1710-0-3181	10
86 samoa/light green *)	1749-86	1710-0-3199	10
87 toscana/purple	1749-87	1710-0-3217	10
88 attica/pigeon blue *)	1749-88	1710-0-3235	10
803 meteor/grey metallic	1749-803	1710-0-3844	10
815 sahara/yellow	1749-815	1710-0-3824	10


1) Cover plate can also be used individually as cover for telephone connector boxes (VDO).
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
85 manhattan/graphite *)	1716-85	1731-0-1924	1
89 samoa/light green *)	1716-86	1731-0-1925	1
87 toscana/purple	1716-87	1731-0-1926	1
88 attica/pigeon blue *)	1716-88	1731-0-1927	1
803 meteor/grey metallic	1716-803	1731-0-1976	1
815 sahara/yellow	1716-815	1731-0-1974	1


1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEVG 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60,2 x 9,2 mm.		
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
85 manhattan/graphite *)	1803-85	1710-0-3183	10
86 samoa/light green *)	1803-86	1710-0-3201	10
87 toscana/purple	1803-87	1710-0-3219	10
88 attica/pigeon blue *)	1803-88	1710-0-3237	10
803 meteor/grey metallic	1803-803	1710-0-3852	10
815 sahara/yellow	1803-815	1710-0-3832	10


1) See labelling sheet 1799 xx.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
85 manhattan/graphite *)	1803-02-85	1710-0-3182	10
86 samoa/light green *)	1803-02-86	1710-0-3200	10
87 toscana/purple	1803-02-87	1710-0-3218	10
88 attica/pigeon blue *)	1803-02-88	1710-0-3236	10
803 meteor/grey metallic	1803-02-803	1710-0-3853	10
815 sahara/yellow	1803-02-815	1710-0-3833	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
85 manhattan/graphite *)	1766-85	1710-0-3180	10/100
86 samoa/light green *)	1766-86	1710-0-3198	10
87 toscana/purple	1766-87	1710-0-3216	10
88 attica/pigeon blue *)	1766-88	1710-0-3234	10
803 meteor/grey metallic	1766-803	1710-0-3854	10
815 sahara/yellow	1766-815	1710-0-3834	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
85 manhattan/graphite *)	1751-85	1723-0-0241	10
86 samoa/light green *)	1751-86	1723-0-0242	10
87 toscana/purple	1751-87	1723-0-0243	10
88 attica/pigeon blue *)	1751-88	1723-0-0244	10
803 meteor/grey metallic	1751-803	1723-0-0257	10
815 sahara/yellow	1751-815	1723-0-0256	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
85 manhattan/graphite *)	1745-85	1710-0-3191	10
86 samoa/light green *)	1745-86	1710-0-3209	10
87 toscana/purple	1745-87	1710-0-3227	10
88 attica/pigeon blue *)	1745-88	1710-0-3245	10
803 meteor/grey metallic	1745-803	1710-0-3855	10
815 sahara/yellow	1745-815	1710-0-3835	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
85 manhattan/graphite *)	1743-85	1724-0-2763	10
86 samoa/light green *)	1743-86	1724-0-2766	10
87 toscana/purple	1743-87	1724-0-2769	10
88 attica/pigeon blue *)	1743-88	1724-0-2772	10
803 meteor/grey metallic	1743-803	1724-0-4291	10
815 sahara/yellow	1743-815	1724-0-4288	10

1) Third opening can be knocked out.


2) See inserts for satellite coaxial socket outlets.

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10
85 manhattan/graphite *)	1800-85	1710-0-3194	10
86 samoa/light green *)	1800-86	1710-0-3212	10
87 toscana/purple	1800-87	1710-0-3230	10
88 attica/pigeon blue *)	1800-88	1710-0-3248	10
803 meteor/grey metallic	1800-803	1710-0-3856	10
815 sahara/yellow	1800-815	1710-0-3836	10

1) Labelling sheets 1799 18 and labelling software.


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
85 manhattan/graphite *)	1746/10-85	1710-0-3523	10
86 samoa/light green *)	1746/10-86	1710-0-3524	10
87 toscana/purple	1746/10-87	1710-0-3525	10
88 attica/pigeon blue *)	1746/10-88	1710-0-3526	10
803 meteor/grey metallic	1746/10-803	1710-0-3857	10
815 sahara/yellow	1746/10-815	1710-0-3837	10

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
82 savanna/ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
85 manhattan/graphite *)	1750-85	1710-0-3184	10
86 samoa/light green *)	1750-86	1710-0-3202	10
87 toscana/purple	1750-87	1710-0-3220	10
88 attica/pigeon blue *)	1750-88	1710-0-3238	10
803 meteor/grey metallic	1750-803	1710-0-3859	10
815 sahara/yellow	1750-815	1710-0-3839	10

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747S I-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
82 savanna/ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
85 manhattan/graphite *)	1758-85	1724-0-2764	10
86 samoa/light green *)	1758-86	1724-0-2767	10
87 toscana/purple	1758-87	1724-0-2770	10
88 attica/pigeon blue *)	1758-88	1724-0-2773	10
803 meteor/grey metallic	1758-803	1724-0-4292	10
815 sahara/yellow	1758-815	1724-0-4289	10


1) Labelling sheets 1799, 1799 02, 1799 19 and labelling software.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
85 manhattan/graphite *)	1746-85	1710-0-3185	10
86 samoa/light green *)	1746-86	1710-0-3203	10
87 toscana/purple	1746-87	1710-0-3221	10
88 attica/pigeon blue *)	1746-88	1710-0-3239	10
803 meteor/grey metallic	1746-803	1710-0-3858	10
815 sahara/yellow	1746-815	1710-0-3838	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) With screwless terminal. 2 P + E Rated voltage: 250 V~ Supply voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20 EUC-82	2011-0-3721	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
85 manhattan/graphite *)	20 EUC-85	2011-0-3729	10/100
86 samoa/light green *)	20 EUC-86	2011-0-3733	10/100
87 toscana/purple	20 EUC-87	2011-0-3737	10/100
88 attica/pigeon blue *)	20 EUC-88	2011-0-3741	10/100
803 meteor/grey metallic	20 EUC-803	2011-0-3875	10/100
815 sahara/yellow	20 EUC-815	2011-0-3872	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
82 savanna/ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
85 manhattan/graphite *)	1748-85	1710-0-3657	10
803 meteor/grey metallic	1748-803	1710-0-3851	10
815 sahara/yellow	1748-815	1710-0-3831	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) with marking With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20EUC -13-82 20EUC -14-82	2011-0-3722 2011-0-3723

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	82 savanna/ivory white 84 davos/studio white 85 manhattan/graphite *) 86 samoa/light green *) 87 toscana/purple 88 attica/pigeon blue *) 803 meteor/grey metallic 815 sahara/yellow	20EUC KS-82 20E UCKS-84 20EUC KS-85 20EUC KS-86 20EUC KS-87 20EUC KS-88 20E UCKS-803 20EUC KS-815	2013-0-5244 2013-0-5245 2013-0-5246 2013-0-5247 2013-0-5248 2013-0-5249 2013-0-5297 2013-0-5296


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Increased shock protection.
 *) Phase-out type

	SCHUKO® socket outlet 1) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
	82 savanna/ivory white 84 davos/studio white 85 manhattan/graphite *) 86 samoa/light green *) 87 toscana/purple 88 attica/pigeon blue *) 803 meteor/grey metallic 815 sahara/yellow	20E UK-82 20E UK-84 20EUK -85 20EUK -86 20EUK -87 20EUK -88 20E UK-803 20EUK -815	2018-0-1465 2018-0-1467 2018-0-1469 2018-0-1471 2018-0-1473 2018-0-1475 2018-0-1493 2018-0-1492


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) With label area 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
	82 savanna/ivory white 84 davos/studio white 85 manhattan/graphite *) 86 samoa/light green *) 87 toscana/purple 88 attica/pigeon blue *) 803 meteor/grey metallic 815 sahara/yellow	20 EUN-82 20 EUN-84 20 EUN-85 20 EUN-86 20 EUN-87 20 EUN-88 20 EUN-803 20 EUN-815	2011-0-3726 2011-0-3727 2011-0-3730 2011-0-3731 2011-0-3734 2011-0-3735 2011-0-3876 2011-0-3873


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Labelling sheets 1799 18 and labelling software.
 *) Phase-out type


	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
	82 savanna/ivory white 84 davos/studio white 85 manhattan/graphite *) 86 samoa/light green *) 87 toscana/purple 88 attica/pigeon blue *) 803 meteor/grey metallic 815 sahara/yellow	2310 EUGL/VA-82-11 2310 EUGL/VA-84-11 2310 EUGL/VA-85-11 2310 EUGL/VA-86-11 2310 EUGL/VA-87-11 2310 EUGL/VA-88-11 2310 EUGL/VA-803-11 2310 EUGL/VA-815-11	2011-0-3831 2011-0-3833 2011-0-3834 2011-0-3835 2011-0-3836 2011-0-3837 2011-0-3877 2011-0-3874


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (PN) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example. 3) Increased shock protection.			

	SCHUKO® socket outlet 1) 2) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20E UCBL-82	2013-0-5284	10
84 studiowhi te green (SV) RAL 6018	20EUC BL-84	2013-0-5286	10
orange (ZSV) RAL 2004	20EUC BL-13-84	2013-0-5287	10
	20EUC BL-14-84	2013-0-5288	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			

	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20EUC BLI-82	2013-0-5292	10
84 studiowhi te	20EUC BLI-84	2013-0-5294	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			

	13 A Switched socket outlet SP switched 1gang Only for mounting in VDE flush-mounted sockets types CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part 2		
82 savanna/ivory white	2190EUC -82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100


Product	Article-No.	Order-No.	Pack/Qty
	2-gang Euro American socket outlet, 10 A Rated voltage: 250 V~ Rated current: 10 A		
			delivery on special request
82 savanna/ivory white	2192-02 UC-82-500		delivery on special request
84 davos/studio white	2192-02 UC-84-500		delivery on special request
85 manhattan/graphite	2192-02 UC-85-500		


	Chinese socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
			delivery on special request
82 savanna/ivory white	2193 EUC/10-82-500		
84 davos/studio white	2193 EUC/10-84-500		delivery on special request
85 manhattan/graphite	2193 EUC/10-85-500		

	Chinese socket outlet, 16 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
			delivery on special request
82 savanna/ivory white	2196 EUC/16-82-500		
84 davos/studio white	2193 EUC/16-84-500		delivery on special request
85 manhattan/graphite	2193 EUC/16-85-500		


	Chinese and Euro American socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
			delivery on special request
82 savanna/ivory white	2195 EUC/10-82-500		delivery on special request
84 davos/studio white	2195 EUC/10-84-500		delivery on special request
85 manhattan/graphite	2195 EUC/10-85-500		

Product	Article-No.	Order-No.	Pack/Qty
	International socket outlet 13A Rated voltage: 250 V~ Rated current: 13 A		
		delivery on special request	
82 savanna/ivory white	2197EUC-82-500		
	delivery on special request		
84 davos/studio white	2197 EUC-84-500		
	delivery on special request		
85 brown	2197EUC-85-500		


Product	Article-No.	Order-No.	Pack/Qty
	Euro American socket outlet with earth, 16 A Rated voltage: 250 V~ Rated current: 16 A		
		delivery on special request	
82 savanna/ivory white	2196EUC-82-500		
	delivery on special request		
84 davos/studio white	2196 EUC-84-500		
	delivery on special request		
85 manhattan/graphite	2196 EUC-85-500		

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20M UC-82-500	2017-0-0785	10/100
84 davos/studio white	20M UC-84-500	2017-0-0786	10/100
85 manhattan/graphite *)	20M UC-85-500	2017-0-0787	10/100
86 samoa/light green *)	20M UC-86-500	2017-0-0788	10/100
87 toscana/purple	20M UC-87-500	2017-0-0789	10/100
88 attica/pigeon blue *)	20M UC-88-500	2017-0-0790	10/100


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet 1) 2) With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20M UCKS-82-500	2017-0-0806	10
84 davos/studio white	20M UCKS-84-500	2017-0-0807	10
803 meteor/grey metallic	20 MUCKS-803-500	2017-0-0852	10
815 sahara/yellow	20 MUCKS-815-500	2017-0-0853	10


1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection".
2) Order-boundm manufacturing

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
82 savanna/ivory white	1794-82	1710-0-3543	10
84 davos/studio white	1794-84	1710-0-3544	10
85 manhattan/graphite *)	1794-85	1710-0-3545	10
86 samoa/light green *)	1794-86	1710-0-3546	10
87 toscana/purple	1794-87	1710-0-3547	10
88 attica/pigeon blue *)	1794-88	1710-0-3548	10
803 meteor/grey metallic	1794-803	1710-0-3847	10
815 sahara/yellow	1794-815	1710-0-3827	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
82 savanna/ivory white	1795-82	1710-0-3568	10
84 davos/studio white	1795-84	1710-0-3569	10
85 manhattan/graphite *)	1795-85	1710-0-3570	10
86 samoa/light green *)	1795-86	1710-0-3571	10
87 toscana/purple	1795-87	1710-0-3572	10
88 attica/pigeon blue *)	1795-88	1710-0-3573	10
803 meteor/grey metallic	1795-803	1710-0-3848	10
815 sahara/yellow	1795-815	1710-0-3828	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
82 savanna/ivory white	1794 TA-82	1710-0-3696	10
84 davos/studio white	1794 TA-84	1710-0-3698	10
85 manhattan/graphite *)	1794 TA-85	1710-0-3699	10
86 samoa/light green *)	1794 TA-86	1710-0-3700	10
87 toscana/purple	1794 TA-87	1710-0-3701	10
88 attica/pigeon blue *)	1794 TA-88	1710-0-3702	10
803 meteor/grey metallic	1794 TA-803	1710-0-3849	10
815 sahara/yellow	1794 TA-815	1710-0-3829	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
82 savanna/ivory white	1795 TA-82	1710-0-3723	10
84 davos/studio white	1795 TA-84	1710-0-3725	10
85 manhattan/graphite *)	1795 TA-85	1710-0-3726	10
86 samoa/light green *)	1795 TA-86	1710-0-3727	10
87 toscana/purple	1795 TA-87	1710-0-3728	10
88 attica/pigeon blue *)	1795 TA-88	1710-0-3729	10
803 meteor/grey metallic	1795 TA-803	1710-0-3850	10
815 sahara/yellow	1795 TA-815	1710-0-3830	10


*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx.100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite *)	6730-85	6730-0-0018	1
86 samoa/light green *)	6730-86	6730-0-0019	1
87 toscana/purple	6730-87	6730-0-0020	1
88 attica/pigeon blue *)	6730-88	6730-0-0021	1
803 meteor/grey metallic	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1

82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite *)	6730-85	6730-0-0018	1
86 samoa/light green *)	6730-86	6730-0-0019	1
87 toscana/purple	6730-87	6730-0-0020	1
88 attica/pigeon blue *)	6730-88	6730-0-0021	1
803 meteor/grey metallic	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1

1) See labelling sheet 1799 xx.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
85 manhattan/graphite *)	6800-85-104	6800-0-2103	1/10
86 samoa/light green *)	6800-86-104	6800-0-2105	1
87 toscana/purple	6800-87-104	6800-0-2107	1
88 attica/pigeon blue *)	6800-88-104	6800-0-2109	1
803 meteor/grey metallic	6800-803-104	6800-0-2484	1
815 sahara/yellow	6800-815-104	6800-0-2482	1

82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
85 manhattan/graphite *)	6800-85-104	6800-0-2103	1/10
86 samoa/light green *)	6800-86-104	6800-0-2105	1
87 toscana/purple	6800-87-104	6800-0-2107	1
88 attica/pigeon blue *)	6800-88-104	6800-0-2109	1
803 meteor/grey metallic	6800-803-104	6800-0-2484	1
815 sahara/yellow	6800-815-104	6800-0-2482	1

1) Please order the respective flush mounted insert separately.

*) Phase-outt type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
85 manhattan/graphite *)	6800-85-104M	6800-0-2104	1
86 samoa/light green *)	6800-86-104M	6800-0-2106	1
87 toscana/purple	6800-87-104M	6800-0-2108	1
88 attica/pigeon blue *)	6800-88-104M	6800-0-2110	1
803 meteor/grey metallic	6800-803-104M	6800-0-2485	1
815 sahara/yellow	6800-815-104M	6800-0-2483	1

82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
85 manhattan/graphite *)	6800-85-104M	6800-0-2104	1
86 samoa/light green *)	6800-86-104M	6800-0-2106	1
87 toscana/purple	6800-87-104M	6800-0-2108	1
88 attica/pigeon blue *)	6800-88-104M	6800-0-2110	1
803 meteor/grey metallic	6800-803-104M	6800-0-2485	1
815 sahara/yellow	6800-815-104M	6800-0-2483	1


1) installation: slide switch top.


2) Please order the respective flush mounted insert separately.


*) Phase-outt type


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 1gang frame For vertical or horizontal installation.		
80 chrome	1721-80	1754-0-4104	10/100
80G chromegl oss	1721-80G	1754-0-4326	10/100
84 davos/studio white	1721-84	1754-0-4109	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.

	Cover frame 2gang frame For vertical or horizontal installation.		
80 chrome	1722-80	1754-0-4105	10/100
80G chromegl oss	1722-80G	1754-0-4327	10
84 davos/studio white	1722-84	1754-0-4110	10/100

	Cover frame 3gang frame For vertical or horizontal installation.		
80 chrome	1723-80	1754-0-4106	10/100
80G chromegl oss	1723-80G	1754-0-4328	10
84 davos/studio white	1723-84	1754-0-4111	10/100

	Cover frame 4gang frame For vertical or horizontal installation.		
80 chrome	1724-80	1754-0-4107	1
80G chromegl oss	1724-80G	1754-0-4329	1
84 davos/studio white	1724-84	1754-0-4112	1

	Cover frame 5gang frame For vertical or horizontal installation.		
80 chrome	1725-80	1754-0-4108	1
80G chromegl oss	1725-80G	1754-0-4330	1
84 davos/studio white	1725-84	1754-0-4113	1

Setting the tone.
Leading the way.



BUSCH-AXCENT® SEEMS WEIGHTLESS. ITS DESIGN IS STRAIGHTFORWARD AND WITHOUT COMPROMISE. ITS COLOURS ARE UNIQUE. THEY CREATE AN ATMOSPHERE. THEY ALSO PROVIDE ORIENTATION AS A GUIDANCE SYSTEM IN MODERN ARCHITECTURE.



studio white



blue



red



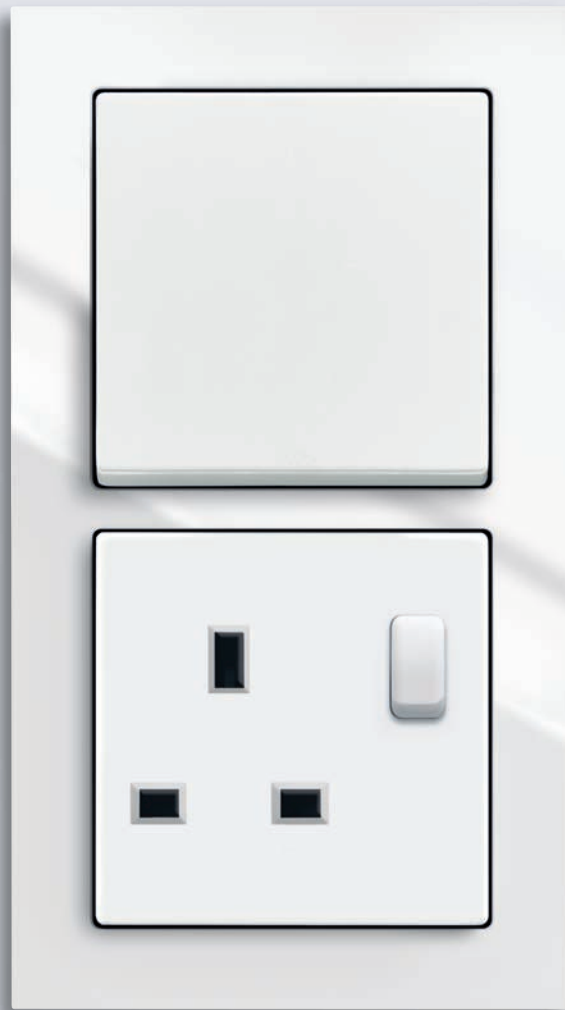
yellow



green

NEW

Materials: Thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.



2gang combination switch/socket outlet.
Colour: white.

Rocker switches	124
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Busch Watchdog	129
Cover frame	130

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Doorbell switch



Busch-Memory 2gang dimmer



Busch-Comfort switch



IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



International socket outlet



Busch-Blind control switch with rotary knob



Busch-Blind control switch with semi-cylindrical lock



Comfort timer



Room thermostat with display



WaveLINE LED display



Busch-AudioWorld® DigitalRadio



Busch-AudioWorld® loudspeaker 2"



Busch-AudioWorld® Intercom amplifier



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Data communication outlet

The Busch-*axcent*® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor
1fold
with labelling field*



KNX sensor
2fold
with labelling field*



KNX sensor
4fold
with labelling field*



KNX sensor 4fold control
element multifunction
with labelling field*



KNX IR sensor with
3fold control element
with labelling field*



KNX room thermostat
with 2fold sensor and
labelling field*



KNX Flush-mounted
movement detector
















KNX USB interface*


1 to 5 gang cover
frame for horizontal and
vertical installation.




*Please find further information in
the chapter ABB i-bus® KNX.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.				Switch rocker With closed surface For flush mounted switch 2g 1w, 2g push switch		
84 davos/studio white	1786-84	1751-0-2749	10/100	84 davos/studio white	1785-84	1751-0-2752	10/100
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.				Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking „Heizung-Notschalter“		
84 davos/studio white	1789-84	1751-0-2814	10/100	84 davos/studio white	1789 H-84	1751-0-2751	10
	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the marking plate. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.				Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
84 davos/studio white	1764NLI-84	1731-0-1877	10/100	84 davos/studio white	6541-84	6599-0-2835	10
1) See labelling sheet 1799 xx. 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.					Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
	Switch rocker With symbol For flush mounted push switch.			84 davos/studio white	6540-84-101	6599-0-2833	10/100
84 davos/studio white	1789LI-84	1751-0-2753	10/100	1) Replacement neon lamp, Art. No. 3855.			
	Switch rocker With bell symbol For flush mounted push switch.				Busch-Comfort switch control 1) element With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
84 davos/studio white	1789K I-84	1751-0-2754	10	84 davos/studio white	6815-84	6800-0-2286	1/10
	Switch rocker With key symbol For flush mounted push switch.			1) Please order the respective flush mounted insert separately.			
84 davos/studio white	1789TR-84	1751-0-2755	10		Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
84 davos/studio white	1788-84	1751-0-2750	10/100				


Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
84 davos/studio white	6066-84	6020-0-1334	1/10
1) Touch-type Controller 6550 U-xxx non-illuminable			

	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
84 davos/studio white	6067-84	6020-0-1335	1


	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
84 davos/studio white	6543-84-101	6599-0-2834	1/10
1) Compatible with previous type 6543-xxx. 2) Touch-type Controller 6550 U-xxx non-illuminable. 3) Replacement neon lamp3857.			

	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
84 davos/studio white	6545-84	6599-0-2908	1/10
1) Replacement neon lamp3857.			


	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
84 davos/studio white	1785J A-84	1751-0-2756	10/100


	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
84 davos/studio white	1740-84	1710-0-3172	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
1) Refer to marking plate 1799 18 and labelling software.			


	Cover plate For Busch-Short-time timer insert 6465 U.		
84 davos/studio white	1773-84	1753-0-9908	10

	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
84 davos/studio white	1773/10-84	1753-0-9914	10

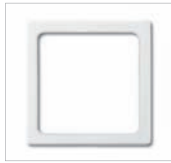
	Cover plate For Memory control element 6457.		
84 davos/studio white	1773 JA-84	1724-0-2760	10

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
84 davos/studio white	6430-84-102	6430-0-0329	1/10

	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
84 davos/studio white	1775 S/W-84-101	1710-0-3174	10

	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
84 davos/studio white	6435-84	6430-0-0306	10

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate 1) 2)
As cover for flush mounted info light.
For insert 2062 U.
Size of information field 43 x 43 mm.

84 davos/studio white	1716-84	1731-0-1923	1
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1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.



**Blank plate
With metal mounting plate**

84 davos/studio white	1742-84	1710-0-3161	10/100
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**Cover plate 1)
With metal mounting plate**
As cover for flex outlet, for cords up to 10.3 mm diameter.
With strain relief (without terminal block).

84 davos/studio white	1749-84	1710-0-3163	10/100
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1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).



Cover plate 1)
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck.
Brand-Rex (WAEVG 8 EKR/EK).
BTR (universal data connecting unit design and IAE design).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.
With labelling field.
Size of labelling field: 60.2 x 9.2 mm.

84 davos/studio white	1803-84	1710-0-3165	10/100
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1) See labelling sheet 1799 xx.



**Cover plate 1)
2gang**
As cover for universal data connection boxes.
Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck.
Brand-Rex (WAEVG 8/8 EKR/EK).
AMP (NETCONNECT 5E).
BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design).
cti (cti-wire 2.8 Cat.6).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.
With labelling field.
Size of labelling field: 60.2 x 9.2 mm.

84 davos/studio white	1803-02-84	1710-0-3164	10/100
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1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
For German telephone telephone unit insert.
For German telephone Universal data connecting unit / telephone unit insert
For loudspeaker connection box
Suitable for Art. No. 0247 and 0248.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

84 davos/studio white	1766-84	1710-0-3162	10/100
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**Cover plate
With metal mounting plate**
fixing claws
loudspeaker inserts and cover.
Conductor cross-sections up to 4 mm² rigid.
With screw-type terminal.

84 davos/studio white	1751-84	1723-0-0240	10/100
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Cover plate
As cover for telephone connector boxes (VDo).
Can be knocked out for single or double connection.

84 davos/studio white	1745-84	1710-0-3173	10
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Cover plate 1) 2)
As cover for standard Radio/TV/SAT socket outlets.
With 2 connectors
DIN 45330.
Radio/TV/SAT.
with M3 fixing screw.

84 davos/studio white	1743-84	1724-0-2774	10/100
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1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.



**Cover plate 1)
With label area**
For modular jack with slide entrance.
To fit only Art. No. 1810, 1812, 1814, 1816 and 1818.
Size of labelling field: 60.2 x 9.2 mm.

84 davos/studio white	1800-84	1710-0-3176	10
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1) Labelling sheets 1799 18 and labelling software.





Cover plate
For telecommunication.
With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.


84 davos/studio white	1746/10-84	1710-0-3522	10/100
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Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
84 davos/studio white	1747S I-84	1710-0-3863	10


	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
84 davos/studio white	1746-84	1710-0-3167	10

	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
84 davos/studio white	1748-84	1710-0-3656	10


	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
84 davos/studio white	1750-84	1710-0-3166	10

	Cover plate 1) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
84 davos/studio white	1758-84	1724-0-2761	10/100


1) Labelling sheets 1799,1799 02,1799 19 and labelling software.

	SCHUKO® socket outlet 1) With screwless terminal. 2 P + E Rated voltage: 250 V~ Supply voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	20E UC-84	2011-0-3725	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet 1) 2) Shutterd With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	20EUC KS-84	2013-0-5245	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	20 EUK-84	2018-0-1467	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® socket outlet 1) 2) With label area 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	20 EUN-84	2011-0-3727	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.

	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shutterd. DP cut off (P,N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2)} With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
84 studiowhi te green (SV) RAL 6018 orange (ZSV) RAL 2004	20E UCBL-84 20EUC BL-13-84 20EUC BL-14-84	2013-0-5286 2013-0-5287 2013-0-5288	10 10 10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

	SCHUKO® socket outlet Busch-steplight® ^{1) 2)} Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
84 studiowhi te	20EUC BLI-84	2013-0-5294	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.


	13 A Switched socket outlet SP switched 1gang Only for mounting in VDE flush-mounted sockets types CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100

	2-gang Euro American socket outlet, 10A Rated voltage: 250 V~ Rated current: 10 A		
84 davos/studio white	2192-02 UC-84-500		

delivery on special request

	Chinese socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
84 davos/studio white	2193 EUC/10-84-500		


delivery on special request

	Chinese socket outlet, 16 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	2193 EUC/16-84-500		


delivery on special request

Product	Article-No.	Order-No.	Pack/Qty
	Chinese and Euro American socket outlet, 10 A According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
84 davos/studio white	2195 EUC/10-84-500		


delivery on special request

	International socket outlet 13A Rated voltage: 250 V~ Rated current: 13 A		
84 davos/studio white	2197 EUC-84-500		


delivery on special request


	Euro American socket outlet with earth, 16 A Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	2196 EUC-84-500		


delivery on special request

	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
84 davos/studio white	1794-84	1710-0-3544	10

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temper- ature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
84 davos/studio white	1795-84	1710-0-3569	10

	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
84 davos/studio white	1794 TA-84	1710-0-3698	10

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
84 davos/studio white	1795 TA-84	1710-0-3725	10

Product	Article-No.	Order-No.	Pack/Qty
 <p>WaveLINE LED display ^{1) 2)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx.100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm</p>	6730-84	6730-0-0017	1

84 davos/studio white

- 1) See labelling sheet 1799 xx.
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	6800-84-104M	6800-0-2102	1/10


84 davos/studio white


- 1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.


 <p>Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	6800-84-104	6800-0-2101	1/10
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84 davos/studio white


- 1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame For vertical or horizontal installation.		
	284 studiowhi te	1721-284	1754-0-4331 10
	285 yellow	1721-285	1754-0-4334 10
	286 green	1721-286	1754-0-4337 10
	287 red	1721-287	1754-0-4340 10
	288 blue	1721-288	1754-0-4343 10

	Cover frame 2gang frame For vertical or horizontal installation.		
	284 studiowhi te	1722-284	1754-0-4332 10
	285 yellow	1722-285	1754-0-4335 10
	286 green	1722-286	1754-0-4338 10
	287 red	1722-287	1754-0-4341 10
	288 blue	1722-288	1754-0-4344 10

	Cover frame 3gang frame For vertical or horizontal installation.		
	284 studiowhi te	1723-284	1754-0-4333 10
	285 yellow	1723-285	1754-0-4336 10
	286 green	1723-286	1754-0-4339 10
	287 red	1723-287	1754-0-4342 10
	288 blue	1723-288	1754-0-4345 10

	Cover frame 4gang frame For vertical or horizontal installation.		
	284 studiowhi te	1724-284	1754-0-4346 1
	285 yellow	1724-285	1754-0-4348 1
	286 green	1724-286	1754-0-4350 1
	287 red	1724-287	1754-0-4352 1
	288 blue	1724-288	1754-0-4354 1

	Cover frame 5gang frame For vertical or horizontal installation.		
	284 studiowhi te	1725-284	1754-0-4347 1
	285 yellow	1725-285	1754-0-4349 1
	286 green	1725-286	1754-0-4351 1
	287 red	1725-287	1754-0-4353 1
	288 blue	1725-288	1754-0-4355 1

Product	Article-No.	Order-No.	Pack/Qty
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Proportions and colours in unison



WITH DETAILS SUCH AS A SOFT, REDUCED STRUCTURE AND BROAD SPECTRUM OF COLOURS, ALPHA NEA® HAS AN UNOBTRUSIVE EFFECT, YET STILL REMAINS IMPRESSIVE. A SWITCH THAT ADAPTS TO ALMOST ANY INTERIOR DESIGN.



platinum



bronze



studio white



brown*/bronze



hansa blue*/platinum



studio white, matt



hansa blue*



ivory

Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

*Phase out colour.



2gang combination switch/socket outlet, shuttered.
Colour: studio white.

Rocker switches	136
Cover plates	137
SCHUKO® socket outlets	143
WaveLINE LED display	145
Busch Watchdog	145
Cover frame	146

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Rocker switch with neon lens



Busch-Memory 2gang dimmer



Control switch with marking „heater/emergency stop“ and red neon lens



Rocker switch with transparent lens



Busch-Comfort switch



Rocker switch 1gang with labelling field



Card switch



IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



Busch-Protector® SCHUKO® socket outlet with overvoltage protection



SCHUKO® socket outlet with hinged lid



Busch-Blind control switch



Busch-Blind control switch with semi-cylindrical lock



Busch-AudioWorld® Intercom amplifier



Mechanical timer: 15 minutes



Telephone unit (ISDN/telephone unit)



Antenna socket for radio/TV/satellite

The *alpha nea*® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor 1fold*



KNX Flush-mounted IR interface*



KNX Flush-mounted movement detector*

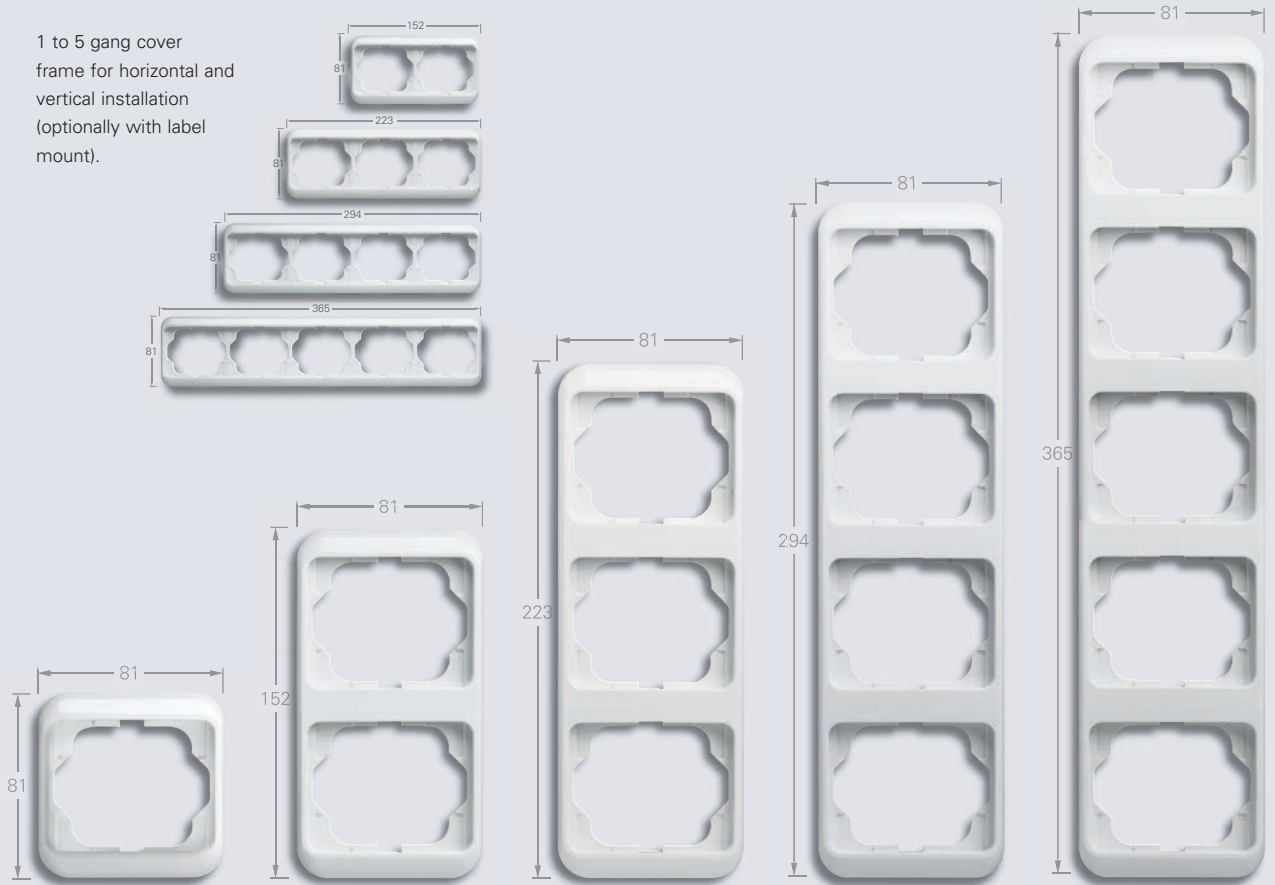


KNX USB interface*





KNX Flush-mounted LCD-Display*


1 to 5 gang cover frame for horizontal and vertical installation (optionally with label mount).





*Please find further information in the chapter ABB i-bus® KNX.


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1786-20	1751-0-1617	10/100
21 bronze ¹⁾	1786-21	1751-0-1708	10/100
22G ivory	1786-22G	1751-0-2482	10/100
24 studiowhi te	1786-24	1751-0-1849	10/100
24G studiowhi te	1786-24G	1751-0-2094	10/100
26 brown ¹⁾	1786-26	1751-0-2917	10/100
28 hansabl ue ¹⁾	1786-28	1751-0-2144	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
20 platinum ¹⁾	1789 KI-20	1751-0-1641	10
21 bronze ¹⁾	1789 KI-21	1751-0-1732	10
22G ivory	1789 KI-22G	1751-0-2524	10
24 studio white	1789 KI-24	1751-0-1872	10
24G studio white	1789 KI-24G	1751-0-2235	10
26 brown ¹⁾	1789 KI-26	1751-0-2921	10
28 hansa blue ¹⁾	1789 KI-28	1751-0-2250	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With red neon lens. As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way.		
20 platinum ¹⁾	1789-20	1751-0-1625	10
21 bronze ¹⁾	1789-21	1751-0-1716	10
22G ivory	1789-22G	1751-0-2490	10
24 studiowhi te	1789-24	1751-0-1856	10
24G studiowhi te	1789-24G	1751-0-2102	10
26 brown ¹⁾	1789-26	1751-0-2924	10
28 hansabl ue ¹⁾	1789-28	1751-0-2169	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
20 platinum ¹⁾	1789 TR-20	1751-0-1658	10
21 bronze ¹⁾	1789 TR-21	1751-0-1740	10
22G ivory	1789 TR-22G	1751-0-2532	10
24 studio white	1789 TR-24	1751-0-1880	10
24G studio white	1789 TR-24G	1751-0-2268	10
26 brown ¹⁾	1789 TR-26	1751-0-2923	10
28 hansa blue ¹⁾	1789 TR-28	1751-0-2284	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With transparent lens. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
20 platinum ¹⁾	1787-20	1751-0-2045	10
21 bronze ¹⁾	1787-21	1751-0-2052	10
22G ivory	1787-22G	1751-0-2508	10
24 studiowhi te	1787-24	1751-0-2060	10
24G studiowhi te	1787-24G	1751-0-2177	10
26 brown ¹⁾	1787-26	1751-0-2918	10
28 hansabl ue ¹⁾	1787-28	1751-0-2193	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker ^{1) 2) 3)} With labelling field For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm. Illuminable.		
20 platinum ⁴⁾	1781-20	1751-0-1666	10
21 bronze ⁴⁾	1781-21	1751-0-1757	10
22G ivory	1781-22G	1751-0-2540	10
24 studio white	1781-24	1751-0-1898	10
24G studio white	1781-24G	1751-0-2292	10
26 brown ¹⁾	1781-26	1751-0-2914	10
28 hansa blue ¹⁾	1781-28	1751-0-2318	10
1) The labels are clamped under the labelling field. 2) See labelling sheet 1799 xx. 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts. 4) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
20 platinum ¹⁾	1789LI-20	1751-0-1633	10
21 bronze ¹⁾	1789LI-21	1751-0-1724	10
22G ivory	1789LI-22G	1751-0-2516	10
24 studiowhi te	1789LI-24	1751-0-1864	10
24G studiowhi te	1789LI-24G	1751-0-2201	10
26 brown ¹⁾	1789LI-26	1751-0-2922	10
28 hansabl ue ¹⁾	1789LI-28	1751-0-2227	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker ^{1) 2)} With labelling field With pilot lamp for uniform illumination of the marking plate. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm.		
22G ivory	1764 NLI-22G	1731-0-1858	10
24 studio white	1764 NLI-24	1731-0-1494	10
24G studio white	1764 NLI-24G	1731-0-1569	10
26 brown ¹⁾	1764 NLI-26	1731-0-1892	10
28 hansa blue ¹⁾	1764 NLI-28	1731-0-1585	10
1) See labelling sheet 1799 xx. 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
20 platinum ¹⁾	1788-20	1751-0-1674	10
21 bronze ¹⁾	1788-21	1751-0-1765	10
22G ivory	1788-22G	1751-0-2557	10
24 studiowhi te	1788-24	1751-0-1906	10
24G studiowhi te	1788-24G	1751-0-2326	10
26 brown ^{*)}	1788-26	1751-0-2919	10
28 hansabl ue ^{*)}	1788-28	1751-0-2342	10
¹⁾ Realm etal surface. ^{*)} Phase-outt ype			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 2g 1w, 2g push switch		
20 platinum ¹⁾	1785-20	1751-0-1682	10
21 bronze ¹⁾	1785-21	1751-0-1773	10/100
22G ivory	1785-22G	1751-0-2565	10
24 studiowhi te	1785-24	1751-0-1914	10
24G studiowhi te	1785-24G	1751-0-2110	10
26 brown ^{*)}	1785-26	1751-0-2916	10
28 hansabl ue ^{*)}	1785-28	1751-0-2367	10
¹⁾ Realm etal surface. ^{*)} Phase-outt ype			


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter"		
20 platinum ¹⁾	1789H -20	1751-0-1690	10
21 bronze ¹⁾	1789H -21	1751-0-1781	10
22G ivory	1789H -22G	1751-0-2573	10
24 studiowhi te	1789H -24	1751-0-1930	10
24G studiowhi te	1789H -24G	1751-0-2375	10
26 brown ^{*)}	1789H -26	1751-0-2920	10
28 hansabl ue ^{*)}	1789H -28	1751-0-2391	10
¹⁾ Realm etal surface. ^{*)} Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
20 platinum ^{1) 2)}	6541-20	6599-0-1466	10
21 bronze ^{1) 2)}	6541-21	6599-0-1524	10
22G ivory	6541-22G	6599-0-2795	10
24 studiowhi te	6541-24	6599-0-1557	10
24G studiowhi te	6541-24G	6599-0-2332	10
26 brown ^{*)}	6541-26	6599-0-2276	10
28 hansabl ue ^{*)}	6541-28	6599-0-2357	10
¹⁾ Not suitable for room thermostat 6134/10. ²⁾ Realm etal surface. ^{*)} Phase-outt ype			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studio white	6540-24	6599-0-1540	10
24G studio white	6540-24G	6599-0-2324	10
26 brown ^{*)}	6540-26	6599-0-2275	10
28 hansa blue ^{*)}	6540-28	6599-0-2373	10
¹⁾ Replacement neon lamp, Art. No. 3855. ²⁾ Real metal surface. ^{*)} Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control cover ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
20 platinum ²⁾	6815-20	6800-0-2273	1/10
21 bronze ²⁾	6815-21	6800-0-2274	1/10
22G ivory	6815-22G	6800-0-2275	1/10
24 studio white	6815-24	6800-0-2276	1/10
24G studio white	6815-24G	6800-0-2277	1/10
26 brown ^{*)}	6815-26	6800-0-2278	1/10
28 hansa blue ^{*)}	6815-28	6800-0-2279	1/10
¹⁾ Please order the respective flush mounted insert separately. ²⁾ Surface painted. ^{*)} Phase-outt ype			


Product	Article-No.	Order-No.	Pack/Qty
	IR control cover ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
28 hansa blue ^{*)}	6066-28-102	6020-0-1323	10
¹⁾ Touch-type Controller 6550 U-xxx non-illuminable ²⁾ Surface painted. ^{*)} Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
20 platinum ¹⁾	6067-20-102	6020-0-1324	10
21 bronze ¹⁾	6067-21-102	6020-0-1325	10
22G ivory	6067-22G-102	6020-0-1326	10
24 studiowhi te	6067-24-102-500	6020-0-1373	1
24G studiowhi te	6067-24G-102-500	6020-0-1374	1
28 hansabl ue ^{*)}	6067-28-102	6020-0-1331	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ ²⁾ ³⁾ With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
20 platinum ⁴⁾	6543-20-102	6599-0-2820	1/10
21 bronze ⁴⁾	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studiowhi te	6543-24-102	6599-0-2823	1/10
24G studiowhi te	6543-24G-102	6599-0-2824	1/10
26 brown ^{*)}	6543-26-102	6599-0-2277	1/10
28 hansabl ue ^{*)}	6543-28-102	6599-0-2827	1/10


1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp3857.
4) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
20 platinum ²⁾	6545-20	6599-0-2890	1/10
21 bronze ²⁾	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studiowhi te	6545-24	6599-0-2893	1/10
24G studiowhi te	6545-24G	6599-0-2894	1/10
26 brown ^{*)}	6545-26	6599-0-2895	1/10
28 hansabl ue ^{*)}	6545-28	6599-0-2896	1/10


1) Replacement neon lamp3857.
2) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
20 platinum ¹⁾	1785J A-20	1751-0-1823	10
21 bronze ¹⁾	1785J A-21	1751-0-1831	10
22G ivory	1785J A-22G	1751-0-2581	10
24 studiowhi te	1785J A-24	1751-0-1922	10
24G studiowhi te	1785J A-24G	1751-0-2128	10
26 brown ^{*)}	1785J A-26	1751-0-2915	10
28 hansabl ue ^{*)}	1785J A-28	1751-0-2417	10


1) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
20 platinum ¹⁾	1740 DR-20	1753-0-1092	10
21 bronze ¹⁾	1740 DR-21	1753-0-1175	10
22G ivory	1740 DR-22G	1710-0-2330	10
24 studio white	1740 DR-24	1753-0-1555	10
24G studio white	1740 DR-24G	1753-0-7263	10
26 brown ^{*)}	1740 DR-26	1753-0-0010	10
28 hansa blue ^{*)}	1740 DR-28	1753-0-7289	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. for insert 2710 U.		
20 platinum ¹⁾	2542 DR/01-20	1710-0-3113	10
21 bronze ¹⁾	2542 DR/01-21	1710-0-3114	10
22G ivory	2542 DR/01-22G	1710-0-3115	10
24 studio white	2542 DR/01-24	1710-0-3116	10
24G studio white	2542 DR/01-24G	1710-0-3117	10
26 brown ^{*)}	2542 DR/01-26	1710-0-3592	10
28 hansa blue ^{*)}	2542 DR/01-28	1710-0-3120	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
20 platinum ¹⁾	2542 DR/02-20	1710-0-3424	10
21 bronze ¹⁾	2542 DR/02-21	1710-0-3425	10
22G ivory	2542 DR/02-22G	1710-0-3426	10
24 studio white	2542 DR/02-24	1710-0-3427	10
24G studio white	2542 DR/02-24G	1710-0-3428	10
26 brown ^{*)}	2542 DR/02-26	1710-0-3593	10
28 hansa blue ^{*)}	2542 DR/02-28	1710-0-3431	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
20 platinum	1755 PZ-20-101	1710-0-1498	10
21 bronze ¹⁾	1755 PZ-21-101	1710-0-1506	10
22G ivory	1755 PZ-22G-101	1710-0-2348	10
24 studio white	1755 PZ-24-101	1710-0-1514	10
24G studio white	1755 PZ-24G-101	1710-0-1522	10
26 brown ^{*)}	1755 PZ-26-101	1710-0-3583	10
28 hansa blue ^{*)}	1755 PZ-28-101	1710-0-1555	10


1) Real metal surface.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate with marking. For half-cylindrical type switch. For insert 2733 USL101.		
20 platinum	1755S LPZ-20-101	1710-0-1563	10
21 bronze ¹⁾	1755S LPZ-21-101	1710-0-1571	10
22G ivory	1755S LPZ-22G-101	1710-0-2355	10
24 studiowhi te	1755S LPZ-24-101	1710-0-1589	10
24G studiowhi te	1755S LPZ-24G-101	1710-0-1597	10
26 brown ^{*)}	1755S LPZ-26-101	1710-0-3584	10
28 hansabl ue ^{*)}	1755S LPZ-28-101	1710-0-1621	10
1) Real metal surface. *) Phase-out type			


	Cover plate For Memory control element 6457.		
20 platinum ¹⁾	1773J A-20	1724-0-2331	10
21 bronze ¹⁾	1773J A-21	1724-0-2349	10
22G ivory	1773J A-22G	1724-0-2539	10
24 studiowhi te	1773J A-24	1724-0-2356	10
24G studiowhi te	1773J A-24G	1724-0-2364	10
26 brown ^{*)}	1773J A-26	1724-0-2866	10
28 hansabl ue ^{*)}	1773J A-28	1724-0-2398	10
1) Surface painted. *) Phase-out type			


	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
20 platinum ¹⁾	1792-20-101	1710-0-3293	10
21 bronze ¹⁾	1792-21-101	1710-0-3294	10
22G ivory	1792-22G-101	1710-0-3295	10
24 studiowhi te	1792-24-101	1710-0-3296	10
24G studiowhi te	1792-24G-101	1710-0-3297	10
26 brown ^{*)}	1792-26-101	1710-0-3591	10
28 hansabl ue ^{*)}	1792-28-101	1710-0-3300	10
1) Surface painted. *) Phase-out type			


	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
20 platinum ¹⁾	6430-20-102	6430-0-0319	1/10
21 bronze ¹⁾	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studiowhi te	6430-24-102	6430-0-0322	1/10
24G studiowhi te	6430-24G-102	6430-0-0323	1/10
26 brown ^{*)}	6430-26-102	6430-0-0324	1/10
28 hansabl ue ^{*)}	6430-28-102	6430-0-0325	1/10
1) Real metal surface. *) Phase-out type			


	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
20 platinum ¹⁾	1775 S/W-20-101	1710-0-3127	10
21 bronze ¹⁾	1775 S/W-21-101	1710-0-3128	10
22G ivory	1775 S/W-22G-101	1710-0-3129	10
24 studio white	1775 S/W-24-101	1710-0-3130	10
24G studio white	1775 S/W-24G-101	1710-0-3131	10
26 brown ^{*)}	1775 S/W-26-101	1710-0-3586	10
28 hansa blue ^{*)}	1775 S/W-28-101	1710-0-3134	10
1) Surface painted. *) Phase-out type			


	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
20 platinum ¹⁾	6435-20	6430-0-0291	10
21 bronze ¹⁾	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studio white	6435-24	6430-0-0294	10/100
24G studio white	6435-24G	6430-0-0295	10
26 brown ^{*)}	6435-26	6430-0-0296	10
28 hansa blue ^{*)}	6435-28	6430-0-0297	10
1) Surface painted. *) Phase-out type			


	Cover plate For Busch-Short-time timer insert 6465 U.		
20 platinum ¹⁾	1773-20	1724-0-2158	10
21 bronze ¹⁾	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studio white	1773-24	1724-0-2174	10
24G studio white	1773-24G	1724-0-2182	10
26 brown ^{*)}	1773-26	1724-0-2868	10
28 hansa blue ^{*)}	1773-28	1724-0-2216	10
1) Surface painted. *) Phase-out type			


	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
20 platinum ¹⁾	1773/10-20	1724-0-2596	10
21 bronze ¹⁾	1773/10-21	1724-0-2604	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studio white	1773/10-24	1724-0-2612	10
24G studio white	1773/10-24G	1724-0-2620	10
26 brown ^{*)}	1773/10-26	1724-0-2867	10
28 hansa blue ^{*)}	1773/10-28	1724-0-2653	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch Timer insert 1070 U. Running time: 15 min		
20 platinum ¹⁾	1770-20-101	1753-0-6075	10
21 bronze ¹⁾	1770-21-101	1753-0-6083	10
22G ivory	1770-22G-101	1710-0-2397	10
24 studiowhi te	1770-24-101	1753-0-6091	10
24G studiowhi te	1770-24G-101	1753-0-7446	10
26 brown ¹⁾	1770-26-101	1753-0-0014	10
28 hansabl ue ^{*)}	1770-28-101	1753-0-7461	10
1) Surface painted. *) Phase-out type			


	Cover plate With rotary control, with marking For Busch Timer insert 1071 U. Running time: 120 min		
20 platinum ¹⁾	1771-20-101	1753-0-6224	10
21 bronze ¹⁾	1771-21-101	1753-0-6232	10
22G ivory	1771-22G-101	1710-0-2405	10
24 studiowhi te	1771-24-101	1753-0-6240	10
24G studiowhi te	1771-24G-101	1753-0-7479	10
26 brown ¹⁾	1771-26-101	1753-0-0015	10
28 hansabl ue ^{*)}	1771-28-101	1753-0-7495	10
1) Surface painted. *) Phase-out type			


	Cover plate ^{1) 2)} As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
20 platinum ³⁾	1716-20	1731-0-1929	1
21 bronze ³⁾	1716-21	1731-0-1930	1
22 ivory	1716-22	1731-0-1931	1
24 studiowhi te	1716-24	1731-0-1932	1
24G studiowhi te	1716-24G	1731-0-1933	1
26 brown ¹⁾	1716-26	1731-0-1934	1
28 hansabl ue ^{*)}	1716-28	1731-0-1935	1
1) Included with the cover are 46 different text labels and symbols. 2) See labelling sheet 1799 xx. 3) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For insert 2061/2661 U. As cover for flush-mounted light signal. For indication lamp ¹⁾		
20 platinum ²⁾	1756-20	1753-0-1506	10
21 bronze ²⁾	1756-21	1753-0-1522	10
22G ivory	1756-22G	1710-0-2413	10
24 studio white	1756-24	1753-0-1548	10
24G studio white	1756-24G	1753-0-7503	10
26 brown ¹⁾	1756-26	1753-0-0013	10
28 hansa blue ^{*)}	1756-28	1753-0-7529	10


	Cap for light signal.		
11 clear-transparent	1557-11	1565-0-0134	10
12 red	1557-12	1565-0-0142	10
13 green	1557-13	1565-0-0159	10
1) Transparent cap 1557-1x required. 2) Real metal surface. *) Phase-out type			

	Blank plate With metal mounting plate		
20 platinum ¹⁾	1742-20	1753-0-1118	10
21 bronze ¹⁾	1742-21	1753-0-1431	10
22G ivory	1742-22G	1710-0-2389	10
24 studio white	1742-24	1753-0-1571	10
24G studio white	1742-24G	1753-0-7412	10
26 brown ¹⁾	1742-26	1753-0-0012	10
28 hansa blue ^{*)}	1742-28	1753-0-7438	10
1) Real metal surface. *) Phase-out type			


	Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
20 platinum ²⁾	1749-20	1710-0-0904	10
21 bronze ²⁾	1749-21	1710-0-0946	10
22G ivory	1749-22G	1710-0-2561	10
24 studio white	1749-24	1710-0-0979	10
24G studio white	1749-24G	1710-0-1209	10
26 brown ¹⁾	1749-26	1710-0-3580	10
28 hansa blue ^{*)}	1749-28	1710-0-1225	10
1) Cover plate can also be used individually as cover for telephone connector boxes (VDo). 2) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
20 platinum ¹⁾	1803-20	1753-0-8410	10
21 bronze ¹⁾	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studiowhi te	1803-24	1753-0-8436	10
24G studiowhi te	1803-24G	1710-0-2025	10
26 brown ¹⁾	1803-26	1753-0-0026	10
28 hansabl ue ¹⁾	1803-28	1753-0-8477	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
20 platinum ¹⁾	1803-02-20	1753-0-8485	10
21 bronze ¹⁾	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studiowhi te	1803-02-24	1753-0-8501	10
24G studiowhi te	1803-02-24G	1710-0-2033	10
26 brown ¹⁾	1803-02-26	1753-0-0025	10
28 hansabl ue ¹⁾	1803-02-28	1753-0-8543	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
20 platinum ¹⁾	1766-20	1753-0-2629	10
21 bronze ²⁾	1766-21	1753-0-2637	10
22G ivory	1766-22G	1710-0-2496	10
24 studiowhi te	1766-24	1753-0-2645	10
24G studiowhi te	1766-24G	1753-0-7743	10
26 brown ¹⁾	1766-26	1753-0-0020	10
28 hansabl ue ¹⁾	1766-28	1753-0-7768	10


1) Real metal surface.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
20 platinum	1746-20 FN	1753-0-1753	10
21 bronze	1746-21 FN	1753-0-1761	10
22G ivory	1746-22G FN	1710-0-2488	10
24 studio white	1746-24 FN	1753-0-1779	10
24G studio white	1746-24G FN	1753-0-7719	10
26 brown ¹⁾	1746-26 FN	1753-0-0018	10
28 hansa blue ¹⁾	1746-28 FN	1753-0-7735	10


1) See inserts telephone unit .
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
20 platinum ¹⁾	1751-20	1723-0-0113	10
21 bronze ¹⁾	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24 studio white	1751-24	1723-0-0139	10
24G studio white	1751-24G	1723-0-0204	10
26 brown ¹⁾	1751-26	1723-0-0250	10
28 hansa blue ¹⁾	1751-28	1723-0-0220	10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
20 platinum ²⁾	1743-20	1753-0-1126	10
21 bronze ²⁾	1743-21	1753-0-1449	10
22G ivory	1743-22G	1710-0-2454	10
24 studio white	1743-24	1753-0-1589	10
24G studio white	1743-24G	1753-0-7628	10
26 brown ¹⁾	1743-26	1753-0-0016	10
28 hansa blue ¹⁾	1743-28	1753-0-7644	10


1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
20 platinum ²⁾	1743-03-20-101	1724-0-2747	10
21 bronze ²⁾	1743-03-21-101	1724-0-2748	10
22G ivory	1743-03-22G	1724-0-2463	10
24 studio white	1743-03-24	1724-0-1853	10
24G studio white	1743-03-24G	1724-0-1911	10
26 brown ¹⁾	1743-03-26	1724-0-2869	10
28 hansa blue ¹⁾	1743-03-28	1724-0-1937	10


1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area With down-leading outlet. For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
20 platinum ²⁾	1801-20	1753-0-9251	10
21 bronze ³⁾	1801-21	1753-0-9269	10
22G ivory	1801-22G	1710-0-2629	10
24 studiowhi te	1801-24	1753-0-8139	10
24G studiowhi te	1801-24G	1710-0-2694	10
26 brown ⁴⁾	1801-26	1753-0-0023	10
28 hansabl ue ^{*)}	1801-28	1753-0-9293	10


- 1) Lettering sheets 1799, 1799 05 and lettering software.
2) Realm etal surface.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} With label area With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LVLL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
20 platinum ³⁾	1802-20	1753-0-9335	10
21 bronze ⁴⁾	1802-21	1753-0-9343	10
22G ivory	1802-22G	1710-0-2637	10
24 studiowhi te	1802-24	1753-0-8147	10
24G studiowhi te	1802-24G	1710-0-2702	10
26 brown ⁴⁾	1802-26	1753-0-0024	10
28 hansabl ue ^{*)}	1802-28	1753-0-9376	10


- 1) Lettering sheets 1799, 1799 05 and lettering software.
2) Thomas & Betts Clips
025-1099-1BK (black), IBM 58 G 6873
025-1099-1W (white), IBM 58 G 6965
IBM MiniC Clips
51 H 7903 (black),
51 H 7904 (white),
51 H 7961 (cream)
3) Realm etal surface.
4) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 41.5 x 10 mm.		
20 platinum ²⁾	1800-20	1753-0-9178	10
21 bronze ²⁾	1800-21	1753-0-9186	10
22G ivory	1800-22G	1710-0-2645	10
24 studiowhi te	1800-24	1753-0-8121	10
24G studiowhi te	1800-24G	1710-0-2710	10
26 brown ⁴⁾	1800-26	1753-0-0022	10
28 hansabl ue ^{*)}	1800-28	1753-0-9210	10


- 1) Lettering sheets 1799, 1799 05 and lettering software.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum ¹⁾	2561-20	1753-0-3916	10
21 bronze ¹⁾	2561-21	1753-0-3924	10
22G ivory	2561-22G	1710-0-2504	10
24 studio white	2561-24	1753-0-3932	10
24G studio white	2561-24G	1753-0-7776	10
26 brown ¹⁾	2561-26	1753-0-0028	10
28 hansa blue ^{*)}	2561-28	1753-0-7792	10


- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
20 platinum ¹⁾	2561-02-20	1753-0-4047	10
21 bronze ¹⁾	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studio white	2561-02-24	1753-0-4062	10
24G studio white	2561-02-24G	1753-0-7800	10
26 brown ¹⁾	2561-02-26	1753-0-0027	10
28 hansa blue ^{*)}	2561-02-28	1753-0-7826	10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746/10-20	1753-0-8550	10
21 bronze ¹⁾	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studio white	1746/10-24	1753-0-8576	10
24G studio white	1746/10-24G	1710-0-2744	10
26 brown ¹⁾	1746/10-26	1753-0-0017	10
28 hansa blue ^{*)}	1746/10-28	1753-0-8618	10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
20 platinum ¹⁾	1746-20-101	1753-0-5978	10
21 bronze ¹⁾	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white	1746-24-101	1753-0-5994	10
24G studio white	1746-24G-101	1753-0-7685	10
26 brown ¹⁾	1746-26-101	1753-0-0019	10
28 hansa blue ^{*)}	1746-28-101	1753-0-7701	10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With label area With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
20 platinum 2)	1769-20	1753-0-8832	10
21 bronze 3)	1769-21	1753-0-8840	10
22G ivory	1769-22G	1710-0-2678	10
24 studiowhi te	1769-24	1753-0-8857	10
24G studiowhi te	1769-24G	1710-0-2736	10
26 brown *)	1769-26	1753-0-0021	10
28 hansabl ue *)	1769-28	1753-0-8899	10

- 1) Labelling sheets 1799,1799 02 and labelling software.
- 2) Real metal surface.
- 3) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (in-stallable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
20 platinum 1)	1748-20	1753-0-1167	10
21 bronze 1)	1748-21	1753-0-1480	10
22G ivory	1748-22G	1710-0-2546	10
24 studiowhi te	1748-24	1753-0-1621	10
24G studiowhi te	1748-24G	1753-0-7891	10
28 hansabl ue *)	1748-28	1753-0-7917	10

- 1) Real metal surface.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
20 platinum 2)	1758-20	1724-0-1010	10
21 bronze 3)	1758-21	1724-0-1028	10
22G ivory	1758-22G	1724-0-2513	10
24 studiowhi te	1758-24	1724-0-1036	10
24G studiowhi te	1758-24G	1724-0-2067	10
26 brown *)	1758-26	1724-0-2870	10
28 hansabl ue *)	1758-28	1724-0-2083	10

- 1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
- 2) Surface painted.
- 3) Real metal surface.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum 2)	20E UC-20	2011-0-1417	10/100
21 bronze 2)	20EUC -21	2011-0-1425	10/100
22G ivory	20EUC -22G	2011-0-3686	10/100
24 studiowhi te	20EUC -24	2011-0-1433	10/100
24G studiowhi te	20EUC -24G	2011-0-3124	10/100
26 brown *)	20EUC -26	2011-0-3794	10/100
28 hansabl ue *)	20EUC -28	2011-0-3199	10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Real metal surface.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum 3)	20 EUCKS-20	2013-0-4458	10
21 bronze 3)	20 EUCKS-21	2013-0-4466	10/100
22G ivory	20 EUCKS-22G	2013-0-5240	10
24 studio white	20 EUCKS-24	2013-0-4474	10/100
24G studio white	20 EUCKS-24G	2013-0-5018	10/100
26 brown *)	20 EUCKS-26	2013-0-5261	10/100
28 hansa blue *)	20 EUCKS-28	2013-0-5034	10


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Increased shock protection .
- 3) Real metal surface.
- *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
20 platinum 2)	20 EUK-20	2018-0-0695	10
21 bronze 2)	20 EUK-21	2018-0-0703	10
22G ivory	20 EUK-22G	2018-0-1446	10
24 studio white	20 EUK-24	2018-0-0711	10
24G studio white	20 EUK-24G	2018-0-1040	10
26 brown *)	20 EUK-26	2018-0-1480	10
28 hansa blue *)	20 EUK-28	2018-0-1065	10


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Real metal surface.
- *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Rated current: 16 A		
20 platinum 2)	2310 EUGL/VA-20-11	2011-0-3819	1
21 bronze 2)	2310 EUGL/VA-21-11	2011-0-3820	1
22G ivory	2310EUGL/VA-22G-11	2011-0-3821	1
24 studio white	2310 EUGL/VA-24-11	2011-0-3822	1
24G studio white	2310EUGL/VA-24G-11	2011-0-3823	1
26 brown *)	2310 EUGL/VA-26-11	2011-0-3824	1
28 hansa blue *)	2310 EUGL/VA-28-11	2011-0-3825	1


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Real metal surface.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Double SCHUKO® socket outlets ¹⁾ With screwless terminal. 2 P + E Suitable for commercially available flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A		
20 platinum ²⁾	20-02 EUJ-20	2014-0-1049	10
21 bronze ²⁾	20-02EUJ-21	2014-0-1056	10
22G ivory	20-02EUJ-22G	2014-0-1346	10
24G studiowhi te	20-02EUJ-24	2014-0-1064	10
24G studiowhi te	20-02EUJ-24G	2014-0-1247	10
26 brown ^{*)}	20-02EUJ-26	2014-0-1461	10
28 hansabl ue ^{*)}	20-02EUJ-28	2014-0-1262	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Realm etal surface. *) Phase-outt ype			


	Busch Nema socket outlet with cover plate ¹⁾ 2-pole (2 P + E), 20 A For wall box 58 mm with screw fixation Without claw. Rated voltage: 125 V~ Rated current: 20 A		
24G studiowhi te	3016EUC -24G	2122-0-0028	10
26 brown ^{*)}	3016EUC -26	2122-0-0031	10
1) Use in accordance with US Standard (e.g. in US military barracks). *) Phase-outt ype			


	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20M UC-20-500	2017-0-0808	10/100
21 bronze	20M UC-21-500	2017-0-0811	10
22G ivory	20M UC-22G-500	2017-0-0813	10
24G studiowhi te	20M UC-24G-500	2017-0-0815	10
28 hansabl ue ^{*)}	20M UC-28-500	2017-0-0819	10
*) Phase-outt ype			


	Socket outlet ^{1) 2)} With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20M UCKS-20-500	2017-0-0832	10
21 bronze	20M UCKS-21-500	2017-0-0835	10
22G ivory	20M UCKS-22G-500	2017-0-0802	10
24G studiowhi te	20M UCKS-24G-500	2017-0-0803	10
1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection". 2) Order-boundm anufacturing			


	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
20 platinum	20M UCC-20-500	2017-0-0825	10
22G ivory	20M UCC-22G-500	2017-0-0828	10
24G studiowhi te	20M UCC-24G-500	2017-0-0829	10


Product	Article-No.	Order-No.	Pack/Qty
	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
21 bronze ¹⁾			delivery on special request 2197 EUC-21-500
22G ivory			delivery on special request 2197 EUC-22G-500
24G studio white			delivery on special request 2197 EUC-24G-500
1) Surface painted.			


	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
21 bronze ¹⁾			delivery on special request 2196 EUC-21-500
22G ivory			delivery on special request 2196 EUC-22G-500
1) Surface painted.			


	Cover plate For room thermostat for thermostat 1094 U, 1097 U		
20 platinum ¹⁾	1794-20	1710-0-3532	10
21 bronze ¹⁾	1794-21	1710-0-3533	10
22G ivory	1794-22G	1710-0-3534	10
24 studio white	1794-24	1710-0-3535	10
24G studio white	1794-24G	1710-0-3536	10
26 brown ^{*)}	1794-26	1710-0-3537	10
28 hansa blue ^{*)}	1794-28	1710-0-3538	10
1) Surface painted. *) Phase-outt ype			

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
20 platinum ¹⁾	1795-20	1710-0-3557	10
21 bronze ¹⁾	1795-21	1710-0-3558	10
22G ivory	1795-22G	1710-0-3559	10
24 studio white	1795-24	1710-0-3560	10
24G studio white	1795-24G	1710-0-3561	10
26 brown ^{*)}	1795-26	1710-0-3562	10
28 hansa blue ^{*)}	1795-28	1710-0-3563	10
1) Surface painted. *) Phase-outt ype			


Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA			
	20 platinum ¹⁾	1794 TA-20	1710-0-3684	10
	21 bronze ¹⁾	1794 TA-21	1710-0-3685	10
	22G ivory	1794 TA-22G	1710-0-3686	10
	24 studiowhi te	1794 TA-24	1710-0-3687	10
	24G studiowhi te	1794 TA-24G	1710-0-3688	10
	26 brown ¹⁾	1794 TA-26	1710-0-3689	10
28 hansabl ue ¹⁾	1794 TA-28	1710-0-3690	10	
1) Surface painted. *) Phase-out type				


Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA			
	20 platinum ¹⁾	1795 TA-20	1710-0-3711	10
	21 bronze ¹⁾	1795 TA-21	1710-0-3712	10
	22G ivory	1795 TA-22G	1710-0-3713	10
	24 studiowhi te	1795 TA-24	1710-0-3714	10
	24G studiowhi te	1795 TA-24G	1710-0-3715	10
	26 brown ¹⁾	1795 TA-26	1710-0-3716	10
28 hansabl ue ¹⁾	1795 TA-28	1710-0-3717	10	
1) Surface painted. *) Phase-out type				


Product	Article-No.	Order-No.	Pack/Qty	
	WaveLINE LED display ^{1) 2)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 55 mm x 70 mm			
	20 platinum ³⁾	6730-20	6730-0-0007	1
	21 bronze ³⁾	6730-21	6730-0-0008	1
	22G ivory	6730-22G	6730-0-0009	1
	24 studiowhi te	6730-24	6730-0-0010	1
	24G studiowhi te	6730-24G	6730-0-0011	1
	26 brown ¹⁾	6730-26	6730-0-0012	1
	28 hansabl ue ¹⁾	6730-28	6730-0-0013	1
	1) See labelling sheet 1799 xx. 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 3) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	20 platinum ²⁾	6800-20-104	6800-0-2068	1
	21 bronze ²⁾	6800-21-104	6800-0-2069	1
	22G ivory	6800-22G-104	6800-0-2070	1
	24 studiowhi te	6800-24-104-500	6800-0-2168	1
	studio white	6800-24G-104-500	6800-0-2170	1
	28 hansa blue ¹⁾	6800-28-104	6800-0-2075	1
	26 brown ¹⁾	6800-26-104	6800-0-2232	1
	1) Please order the respective flush mounted insert separately. 2) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	20 platinum ³⁾	6800-20-104M	6800-0-2084	1
	21 bronze ³⁾	6800-21-104M	6800-0-2085	1
	22G ivory	6800-22G-104M	6800-0-2086	1
	24 studiowhi te	6800-24-104M-500	6800-0-2169	1
	24G studiowhi te	6800-24G-104M	6800-0-2088	1
	26 brown ¹⁾	6800-26-104M	6800-0-2233	1
	28 hansa blue ¹⁾	6800-28-104M	6800-0-2091	1
	1) installation: slide switch top. 2) Please order the respective flush mounted insert separately. 3) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Surface mounting box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.		
	1-gang box		
22G ivory	1701-22G	1799-0-0816	10
24G studiowhi te	1701-24G	1799-0-0436	10
28G hansabl ue,hi gh gloss *)	1701-28G	1799-0-0733	10
	2-gang box		
22G ivory	1702-22G	1799-0-0824	10
24G studiowhi te	1702-24G	1799-0-0451	10
28G hansabl ue,hi gh gloss *)	1702-28G	1799-0-0758	10
	3-gang box		
22G ivory	1703-22G	1799-0-0832	1/10
24G studiowhi te	1703-24G	1799-0-0477	1/10
28G hansabl ue,hi gh gloss *)	1703-28G	1799-0-0774	1
*) Phase-out type			


	Trunking adaptors For SM box Suitable for 1701-.../1702-... and 1703-... Trunking dimension: 15 x 15 mm to 19 x 19 mm. Material: Desmopan.		
22 white	2087-22	1761-0-1475	10
24 studiowhi te	2087-24	1761-0-1277	10
28 hansabl ue *)	2087-28	1761-0-1392	10
*) Phase-out type			


	Cable entry For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan.		
24 studiowhi te	2088-24	1761-0-1343	100
22 white	2088-22	1761-0-1483	100
28 hansabl ue *)	2088-28	1761-0-1418	100
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame For vertical or horizontal installation.		
20 platinum 1)	1721-20	1754-0-1611	10/100
21 bronze 1)	1721-21	1754-0-1702	10/100
22G ivory	1721-22G	1754-0-3740	10/100
delivery on special request			
23G gold	1721-23G-101		
24 studio white	1721-24	1754-0-1793	10/100
24G studio white	1721-24G	1754-0-2692	10/100
28G hansa blue, high gloss *)	1721-28G	1754-0-2759	10/100
1) Real metal surface. *) Phase-out type			


	Cover frame 2gang frame Vertical.		
20 platinum 1)	1732-20	1754-0-1660	10
21 bronze 1)	1732-21	1754-0-1751	10
22G ivory	1732-22G	1754-0-3757	10
delivery on special request			
23G gold	1732-23G-101		
24 studio white	1732-24	1754-0-1843	10/100
24G studio white	1732-24G	1754-0-2726	10/100
28G hansa blue, high gloss *)	1732-28G	1754-0-2775	10
1) Real metal surface. *) Phase-out type			


	Cover frame 3gang frame Vertical.		
20 platinum 1)	1733-20	1754-0-1678	10
21 bronze 1)	1733-21	1754-0-1769	10
22G ivory	1733-22G	1754-0-3765	10
delivery on special request			
23G gold	1733-23G-101		
24 studio white	1733-24	1754-0-1850	10
24G studio white	1733-24G	1754-0-2734	10
28G hansa blue, high gloss *)	1733-28G	1754-0-2791	10
1) Real metal surface. *) Phase-out type			


	Cover frame 4gang frame Vertical.		
20 platinum 1)	1734-20	1754-0-1686	1
21 bronze 1)	1734-21	1754-0-1777	1
22G ivory	1734-22G	1754-0-3773	1
delivery on special request			
23G gold	1734-23G-101		
24 studio white	1734-24	1754-0-1868	1
24G studio white	1734-24G	1754-0-2809	1
28G hansa blue, high gloss *)	1734-28G	1754-0-2825	1
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 5gang frame Vertical.		
20 platinum ¹⁾	1735-20	1754-0-1694	1
21 bronze ¹⁾	1735-21	1754-0-1785	1
22G ivory	1735-22G	1754-0-3781	1
	delivery on special request		
23G gold	1735-23G-101		
24 studiowhi te	1735-24	1754-0-1876	1
24G studiowhi te	1735-24G	1754-0-2833	1
28G hansabl ue,hi gh gloss ^{*)}	1735-28G	1754-0-2858	1
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 5gang frame Horizontal		
20 platinum ¹⁾	1725-20	1754-0-1652	1
21 bronze ¹⁾	1725-21	1754-0-1744	1
22G ivory	1725-22G	1754-0-3823	1
	delivery on special request		
23G gold	1725-23-101		
24 studio white	1725-24	1754-0-1835	1
24G studio white	1725-24G	1754-0-2932	1
28G hansa blue, high gloss ^{*)}	1725-28G	1754-0-2957	1
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 2gang frame Horizontal		
20 platinum ¹⁾	1722-20	1754-0-1629	10/100
21 bronze ¹⁾	1722-21	1754-0-1710	10
22G ivory	1722-22G	1754-0-3799	10
	delivery on special request		
23G gold	1722-23G-101		
24 studiowhi te	1722-24	1754-0-1801	10/100
24G studiowhi te	1722-24G	1754-0-2700	10/100
28G hansabl ue,hi gh gloss ^{*)}	1722-28G	1754-0-2874	10
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 3gang frame Horizontal		
20 platinum ¹⁾	1723-20	1754-0-1637	10
21 bronze ¹⁾	1723-21	1754-0-1728	10
22G ivory	1723-22G	1754-0-3807	10
	delivery on special request		
23G gold	1723-23G-101		
24 studiowhi te	1723-24	1754-0-1819	10
24G studiowhi te	1723-24G	1754-0-2718	10/100
28G hansabl ue,hi gh gloss ^{*)}	1723-28G	1754-0-2890	10
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 4gang frame Horizontal		
20 platinum ¹⁾	1724-20	1754-0-1645	1
21 bronze ¹⁾	1724-21	1754-0-1736	1
22G ivory	1724-22G	1754-0-3815	1
	delivery on special request		
23G gold	1724-23G-101		
24 studiowhi te	1724-24	1754-0-1827	1
24G studiowhi te	1724-24G	1754-0-2908	1
28G hansabl ue,hi gh gloss ^{*)}	1724-28G	1754-0-2924	1
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
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Cover frame ^{1) 2)}
1gang frame
 With labelling field and label holder.

24 studiowhi te	1721NS -24	1754-0-1975	10
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1) See labelling sheet 1799 xx.
 2) See abelhol der.



Cover frame ^{1) 2)}
2gang frame
 With labelling field and label holder.
 Vertical.

24 studiowhi te	1732NS -24	1754-0-1991	10
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1) See labelling sheet 1799 xx.
 2) See abelhol der.



Cover frame ^{1) 2)}
3gang frame
 With labelling field and label holder.
 Vertical.

24 studiowhi te	1733NS -24	1754-0-2023	10
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1) See labelling sheet 1799 xx.
 2) See abelhol der.



Cover frame ^{1) 2)}
2gang frame
 With labelling field and label holder.
 Horizontal

24 studiowhi te	1722NS -24	1754-0-1983	10
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1) See labelling sheet 1799 xx.
 2) See abelhol der.



Cover frame ^{1) 2)}
3gang frame
 With labelling field and label holder.
 Horizontal

24 studiowhi te	1723NS -24	1754-0-2403	10
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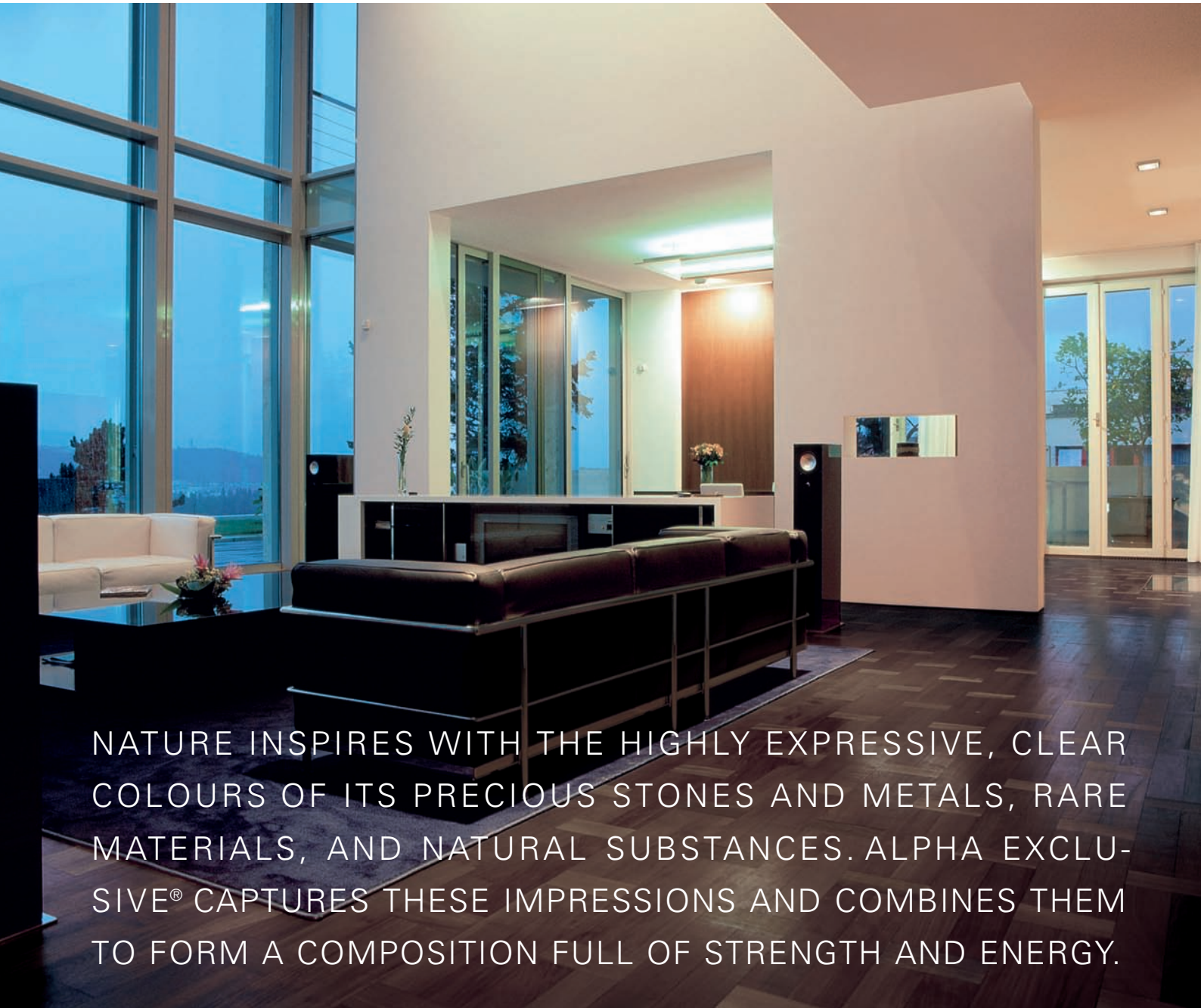
1) See labelling sheet 1799 xx.
 2) See abelhol der.



Label holder
For replacement purposes
 For outer edge of frame.

1761	1799-0-0154	10
1760	1799-0-0162	10

Clarity and strength of expression



NATURE INSPIRES WITH THE HIGHLY EXPRESSIVE, CLEAR COLOURS OF ITS PRECIOUS STONES AND METALS, RARE MATERIALS, AND NATURAL SUBSTANCES. ALPHA EXCLUSIVE® CAPTURES THESE IMPRESSIONS AND COMBINES THEM TO FORM A COMPOSITION FULL OF STRENGTH AND ENERGY.



titanium



palladium



amber/chrome*



obsidian*



ivory



alabaster

Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

*Phase out colour.



2gang combination switch/socket outlet, shuttered.
Colour: alabaster.

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Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Rocker switch with neon



Busch-Memory 2gang dimmer



Control switch with marking „heater/emergency stop“ and red neon lens



Rocker switch 1gang with neon lens



Busch-Comfort switch



Rocker switch 1gang with labelling field



Card switch



IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



Busch-Protector® SCHUKO® socket outlet with overvoltage protection



SCHUKO® socket outlet with hinged lid



Busch-Blind control switch



Busch-Blind control switch with semi-cylindrical lock



Busch-Blind control II



Busch-Memory control timer



Comfort timer



Room thermostat with display

The *alpha exclusive*® switch range is available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



KNX sensor 1fold*



KNX Flush-mounted IR interface*



KNX Flush-mounted movement detector*

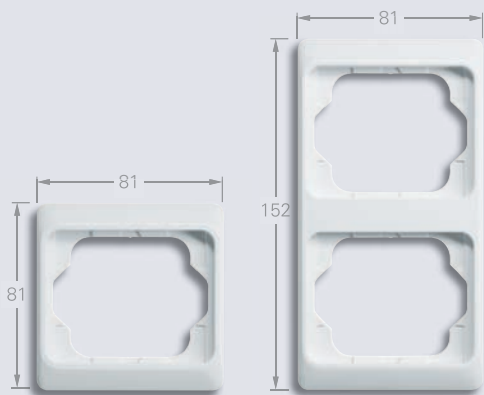
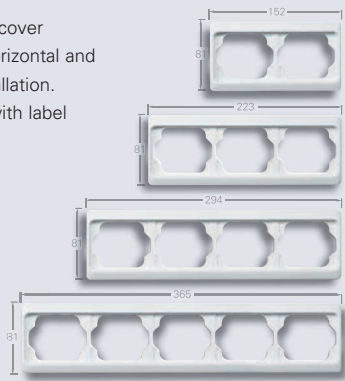


KNX USB interface*




KNX Flush-mounted LCD-Display*


1 to 5 gang cover frame for horizontal and vertical installation. (optionally with label mount).




*Please find further information in the chapter ABB i-bus® KNX.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
22G ivory	1786-22G	1751-0-2482	10/100
24G studiowhi te	1786-24G	1751-0-2094	10/100
233 amber *)	1786-233	1751-0-2843	10/100
255 obsidian *)	1786-255	1751-0-2854	10/100
260 palladium 1)	1786-260	1751-0-2821	10/100
266 titanium 1)	1786-266	1751-0-2832	10/100


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
22G ivory	1789 KI-22G	1751-0-2524	10
24G studio white	1789 KI-24G	1751-0-2235	10
233 amber *)	1789 KI-233	1751-0-2851	10
255 obsidian *)	1789 KI-255	1751-0-2862	10
260 palladium 1)	1789 KI-260	1751-0-2829	10
266 titanium 1)	1789 KI-266	1751-0-2840	10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
22G ivory	1789-22G	1751-0-2490	10
24G studiowhi te	1789-24G	1751-0-2102	10
233 amber *)	1789-233	1751-0-2847	10/100
255 obsidian *)	1789-255	1751-0-2858	10/100
260 palladium 1)	1789-260	1751-0-2825	10/100
266 titanium 1)	1789-266	1751-0-2836	10/100


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
22G ivory	1789 TR-22G	1751-0-2532	10
24G studio white	1789 TR-24G	1751-0-2268	10
233 amber *)	1789 TR-233	1751-0-2852	10
255 obsidian *)	1789 TR-255	1751-0-2863	10
260 palladium 1)	1789 TR-260	1751-0-2830	10
266 titanium 1)	1789 TR-266	1751-0-2841	10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With transparent lens. For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
22G ivory	1787-22G	1751-0-2508	10
24G studiowhi te	1787-24G	1751-0-2177	10
233 amber *)	1787-233	1751-0-2846	10
255 obsidian *)	1787-255	1751-0-2857	10
260 palladium 1)	1787-260	1751-0-2824	10/100
266 titanium 1)	1787-266	1751-0-2835	10/100


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) 3) With labelling field For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm. Illuminable.		
22G ivory	1781-22G	1751-0-2540	10
24G studio white	1781-24G	1751-0-2292	10
233 amber *)	1781-233	1751-0-2844	10
255 obsidian *)	1781-255	1751-0-2855	10
260 palladium 4)	1781-260	1751-0-2822	10
266 titanium 4)	1781-266	1751-0-2833	10


1) The labels are clamped under the labelling field.
2) See labelling sheet 1799 xx.
3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
4) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
22G ivory	1789LI-22G	1751-0-2516	10
24G studiowhi te	1789LI-24G	1751-0-2201	10
233 amber *)	1789LI-233	1751-0-2850	10
255 obsidian *)	1789LI-255	1751-0-2861	10
260 palladium 1)	1789LI-260	1751-0-2828	10/100
266 titanium 1)	1789LI-266	1751-0-2839	10/100


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) With labelling field With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 57 x 11 mm.		
22G ivory	1764 NLI-22G	1731-0-1858	10
24G studio white	1764 NLI-24G	1731-0-1569	10
233 amber *)	1764 NLI-233	1731-0-1884	10
255 obsidian *)	1764 NLI-255	1731-0-1885	10


1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.</p>	22G ivory	1788-22G	1751-0-2557 10
	24G studiowhi te	1788-24G	1751-0-2326 10
	233 amber *)	1788-233	1751-0-2845 10
	255 obsidian *)	1788-255	1751-0-2856 10
	260 palladium 1)	1788-260	1751-0-2823 10
	266 titanium 1)	1788-266	1751-0-2834 10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Switch rocker For flush mounted switch 2g 1w, 2g push switch</p>	22G ivory	1785-22G	1751-0-2565 10
	24G studiowhi te	1785-24G	1751-0-2110 10
	233 amber *)	1785-233	1751-0-2849 10/100
	255 obsidian *)	1785-255	1751-0-2860 10/100
	260 palladium 1)	1785-260	1751-0-2827 10/100
	266 titanium 1)	1785-266	1751-0-2838 10/100


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking „Heizung-Notschalter“</p>	22G ivory	1789H -22G	1751-0-2573 10
	24G studiowhi te	1789H -24G	1751-0-2375 10
	233 amber *)	1789H -233	1751-0-2848 10
	255 obsidian *)	1789H -255	1751-0-2859 10
	260 palladium 1)	1789H -260	1751-0-2826 10
	266 titanium 1)	1789H -266	1751-0-2837 10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.</p>	22G ivory	6541-22G	6599-0-2795 10
	24G studiowhi te	6541-24G	6599-0-2332 10
	233 amber *)	6541-233	6599-0-2859 10
	255 obsidian *)	6541-255	6599-0-2862 10
	260 palladium 1) 2)	6541-260	6599-0-2853 10
	266 titanium 1) 2)	6541-266	6599-0-2856 10


1) Not suitable for room thermostat 6134/10.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>	22G ivory	6540-22G	6599-0-2803 10
	24G studio white	6540-24G	6599-0-2324 10
	233 amber *)	6540-233	6599-0-2858 10/100
	255 obsidian *)	6540-255	6599-0-2861 10/100
	260 palladium 2)	6540-260	6599-0-2852 10/100
	266 titanium 2)	6540-266	6599-0-2855 10


1) Replacement neon lamp, Art. No. 3855.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Comfort switch control element 1) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	22G ivory	6815-22G	6800-0-2275 1/10
	24G studio white	6815-24G	6800-0-2277 1/10
	233 amber *)	6815-233	6800-0-2280 1/10
	255 obsidian *)	6815-255	6800-0-2281 1/10
	260 palladium 2)	6815-260	6800-0-2282 1/10
	266 titanium 2)	6815-266	6800-0-2283 1/10


1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.</p>	22G ivory	6066-22G-102	6020-0-1318 1/10
	24G studio white	6066-24G-102	6020-0-1320 1/10
	233 amber *)	6066-233-102	6020-0-1363 1/10
	255 obsidian *)	6066-255-102	6020-0-1364 1/10
	260 palladium 2)	6066-260-102	6020-0-1365 1/10
	266 titanium 2)	6066-266-102	6020-0-1366 1/10


1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	22G ivory	6067-22G-102	6020-0-1326 10
	24G studiowhi te	6067-24G-102	6020-0-1328 1/10
	233 amber *)	6067-233-102	6020-0-1367 1/10
	255 obsidian *)	6067-255-102	6020-0-1368 1/10
	260 palladium *)	6067-260-102	6020-0-1369 1/10
266 titanium *)	6067-266-102	6020-0-1370 1/10	


1) Surface painted.
*) Phase-out type

	Control element *) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
	22G ivory	6543-22G-102	6599-0-2822 1/10
	24G studiowhi te	6543-24G-102	6599-0-2824 1/10
	233 amber *)	6543-233-102	6599-0-2867 1/10
	255 obsidian *)	6543-255-102	6599-0-2868 1/10
	260 palladium 4)	6543-260-102	6599-0-2869 1/10
266 titanium 4)	6543-266-102	6599-0-2870 1/10	


1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp3857.
4) Realm etal surface.
*) Phase-out type

	Control element *) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
	22G ivory	6545-22G	6599-0-2892 1/10
	24G studiowhi te	6545-24G	6599-0-2894 1/10
	233 amber *)	6545-233	6599-0-2897 1/10
	255 obsidian *)	6545-255	6599-0-2898 1/10
	260 palladium 2)	6545-260	6599-0-2899 1/10
266 titanium 2)	6545-266	6599-0-2900 1/10	


1) Replacement neon lamp3857.
2) Realm etal surface.
*) Phase-out type

	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	22G ivory	1785J A-22G	1751-0-2581 10
	24G studiowhi te	1785J A-24G	1751-0-2128 10
	233 amber *)	1785J A-233	1751-0-2853 10/100
	255 obsidian *)	1785J A-255	1751-0-2864 10/100
	260 palladium *)	1785J A-260	1751-0-2831 10/100
266 titanium *)	1785J A-266	1751-0-2842 10/100	


1) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	22G ivory	1740 DR-22G	1710-0-2330 10
	24G studio white	1740 DR-24G	1753-0-7263 10
	233 amber *)	1740 DR-233	1710-0-3354 10
	255 obsidian *)	1740 DR-255	1710-0-3380 10
	260 palladium *)	1740 DR-260	1710-0-3302 10
266 titanium *)	1740 DR-266	1710-0-3328 10	


1) Surface painted.
*) Phase-out type

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. for insert 2710 U.		
	22G ivory	2542 DR/01-22G	1710-0-3115 10
	24G studio white	2542 DR/01-24G	1710-0-3117 10
	233 amber *)	2542 DR/01-233	1710-0-3460 10
	255 obsidian *)	2542 DR/01-255	1710-0-3462 10
	260 palladium *)	2542 DR/01-260	1710-0-3464 10
266 titanium *)	2542 DR/01-266	1710-0-3466 10	


1) Surface painted.
*) Phase-out type


	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
	22G ivory	2542 DR/02-22G	1710-0-3426 10
	24G studio white	2542 DR/02-24G	1710-0-3428 10
	233 amber *)	2542 DR/02-233	1710-0-3461 10
	255 obsidian *)	2542 DR/02-255	1710-0-3463 10
	260 palladium *)	2542 DR/02-260	1710-0-3465 10
266 titanium *)	2542 DR/02-266	1710-0-3467 10	


1) Surface painted.
*) Phase-out type


	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	22G ivory	1755 PZ-22G-101	1710-0-2348 10
	24G studio white	1755 PZ-24G-101	1710-0-1522 10
	233 amber *)	1755 PZ-233-101	1710-0-3355 10
	255 obsidian *)	1755 PZ-255-101	1710-0-3381 10
	260 palladium *)	1755 PZ-260-101	1710-0-3303 10
266 titanium *)	1755 PZ-266-101	1710-0-3329 10	


1) Real metal surface.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With marking For half-cylindrical type switch. For insert 2733 USL-101.		
22G ivory	1755S LPZ-22G-101	1710-0-2355	10
24G studiowhi te	1755S LPZ-24G-101	1710-0-1597	10
233 amber *)	1755S LPZ-233-101	1710-0-3356	10
255 obsidian *)	1755S LPZ-255-101	1710-0-3382	10
260 palladium *)	1755S LPZ-260-101	1710-0-3304	10
266 titanium *)	1755S LPZ-266-101	1710-0-3330	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
22G ivory	1775 S/W-22G-101	1710-0-3129	10
24G studio white	1775 S/W-24G-101	1710-0-3131	10
233 amber *)	1775 S/W-233-101	1710-0-3360	10
255 obsidian *)	1775 S/W-255-101	1710-0-3386	10
260 palladium *)	1775 S/W-260-101	1710-0-3308	10
266 titanium *)	1775 S/W-266-101	1710-0-3334	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
22G ivory	1773J A-22G	1724-0-2539	10
24G studiowhi te	1773J A-24G	1724-0-2364	10
233 amber *)	1773J A-233	1724-0-2799	10
255 obsidian *)	1773J A-255	1724-0-2804	10
260 palladium *)	1773J A-260	1724-0-2789	10
266 titanium *)	1773J A-266	1724-0-2794	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/JF.		
22G ivory	6435-22G	6430-0-0293	10
24G studio white	6435-24G	6430-0-0295	10
233 amber *)	6435-233	6430-0-0287	10
255 obsidian *)	6435-255	6430-0-0288	10
260 palladium *)	6435-260	6430-0-0289	10
266 titanium *)	6435-266	6430-0-0290	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
22G ivory	1792-22G-101	1710-0-3295	10
24G studiowhi te	1792-24G-101	1710-0-3297	10
233 amber *)	1792-233-101	1710-0-3357	10
255 obsidian *)	1792-255-101	1710-0-3383	10
260 palladium *)	1792-260-101	1710-0-3305	10
266 titanium *)	1792-266-101	1710-0-3331	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
22G ivory	1773-22G	1724-0-2521	10
24G studio white	1773-24G	1724-0-2182	10
233 amber *)	1773-233	1724-0-2800	10
255 obsidian *)	1773-255	1724-0-2805	10
260 palladium *)	1773-260	1724-0-2790	10
266 titanium *)	1773-266	1724-0-2795	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
22G ivory	6430-22G-102	6430-0-0321	1/10
24G studiowhi te	6430-24G-102	6430-0-0323	1/10
233 amber *)	6430-233-102	6430-0-0315	1/10
255 obsidian *)	6430-255-102	6430-0-0316	1/10
260 palladium *)	6430-260-102	6430-0-0317	1/10
266 titanium *)	6430-266-102	6430-0-0318	1/10
1) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
22G ivory	1773/10-22G	1724-0-2695	10
24G studio white	1773/10-24G	1724-0-2620	10
233 amber *)	1773/10-233	1724-0-2811	10
255 obsidian *)	1773/10-255	1724-0-2812	10
260 palladium *)	1773/10-260	1724-0-2809	10
266 titanium *)	1773/10-266	1724-0-2810	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
22 ivory	1716-22	1731-0-1931	1
24G studiowhi te	1716-24G	1731-0-1933	1
233 amber *)	1716-233	1731-0-1936	1
255 obsidian *)	1716-255	1731-0-1937	1
260 palladium 3)	1716-260	1731-0-1938	1
266 titanium 3)	1716-266	1731-0-1939	1

- 1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for flush-mounted light signal. For insert 2061/2661 U.		
22G ivory	1756-22G	1710-0-2413	10
24G studiowhi te	1756-24G	1753-0-7503	10
233 amber *)	1756-233	1710-0-3358	10
255 obsidian *)	1756-255	1710-0-3384	10
260 palladium 1)	1756-260	1710-0-3306	10
266 titanium 1)	1756-266	1710-0-3332	10

Product	Article-No.	Order-No.	Pack/Qty
	Cap for light signal.		
11 clear-transparent	1557-11	1565-0-0134	10
12 red	1557-12	1565-0-0142	10
13 green	1557-13	1565-0-0159	10

- 1) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
22G ivory	1742-22G	1710-0-2389	10
24G studiowhi te	1742-24G	1753-0-7412	10
233 amber *)	1742-233	1710-0-3361	10
255 obsidian *)	1742-255	1710-0-3387	10
260 palladium 1)	1742-260	1710-0-3309	10/100
266 titanium 1)	1742-266	1710-0-3335	10/100

- 1) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
22G ivory	1749-22G	1710-0-2561	10
24G studiowhi te	1749-24G	1710-0-1209	10
233 amber *)	1749-233	1710-0-3368	10
255 obsidian *)	1749-255	1710-0-3394	10
260 palladium 2)	1749-260	1710-0-3316	10
266 titanium 2)	1749-266	1710-0-3342	10

- 1) Cover plate can also be used individually as cover for telephone connector boxes (VDO).
2) Realm etal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
22G ivory	1803-22G	1710-0-2603	10
24G studio white	1803-24G	1710-0-2025	10
233 amber *)	1803-233	1710-0-3374	10
255 obsidian *)	1803-255	1710-0-3400	10
260 palladium 1)	1803-260	1710-0-3322	10
266 titanium 1)	1803-266	1710-0-3348	10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
22G ivory	1803-02-22G	1710-0-2611	10
24G studio white	1803-02-24G	1710-0-2033	10
233 amber *)	1803-02-233	1710-0-3373	10
255 obsidian *)	1803-02-255	1710-0-3399	10
260 palladium 1)	1803-02-260	1710-0-3321	10/100
266 titanium 1)	1803-02-266	1710-0-3347	10/100

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
22G ivory	1766-22G	1710-0-2496	10
24G studio white	1766-24G	1753-0-7743	10
233 amber *)	1766-233	1710-0-3362	10/100
255 obsidian *)	1766-255	1710-0-3388	10/100
260 palladium 1)	1766-260	1710-0-3310	10/100
266 titanium 1)	1766-266	1710-0-3336	10/100

- 1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
22G ivory	1746-22GFN	1710-0-2488	10
24G studiowhi te	1746-24GFN	1753-0-7719	10
233 amber ^{*)}	1746-233FN	1710-0-3363	10
255 obsidian ^{*)}	1746-255FN	1710-0-3389	10
260 palladium	1746-260FN	1710-0-3311	10
266 titanium ²⁾	1746-266FN	1710-0-3337	10

- 1) See inserts telephone unit .
- 2) Realm etal surface.
- *) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
22G ivory	1751-22G	1723-0-0238	10
24G studiowhi te	1751-24G	1723-0-0204	10
233 amber ^{*)}	1751-233	1723-0-0247	10
255 obsidian ^{*)}	1751-255	1723-0-0248	10
260 palladium ¹⁾	1751-260	1723-0-0245	10/100
266 titanium ¹⁾	1751-266	1723-0-0246	10

- 1) Realm etal surface.
- *) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
22G ivory	1743-22G	1710-0-2454	10
24G studiowhi te	1743-24G	1753-0-7628	10
233 amber ^{*)}	1743-233	1724-0-2801	10/100
255 obsidian ^{*)}	1743-255	1724-0-2806	10/100
260 palladium ²⁾	1743-260	1724-0-2791	10/100
266 titanium ²⁾	1743-266	1724-0-2796	10/100

- 1) See inserts for satellite coaxial socket outlets.
- 2) Realm etal surface.
- *) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
22G ivory	1743-03-22G	1724-0-2463	10
24G studiowhi te	1743-03-24G	1724-0-1911	10
233 amber ^{*)}	1743-03-233	1724-0-2802	10
255 obsidian ^{*)}	1743-03-255	1724-0-2807	10
260 palladium ²⁾	1743-03-260	1724-0-2792	10/100
266 titanium ²⁾	1743-03-266	1724-0-2797	10/100

- 1) See inserts for satellite coaxial socket outlets.
- 2) Realm etal surface.
- 3) Surface painted.
- *) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area With down-leading outlet. For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
22G ivory	1801-22G	1710-0-2629	10
24G studio white	1801-24G	1710-0-2694	10
233 amber ^{*)}	1801-233	1710-0-3371	10
255 obsidian ^{*)}	1801-255	1710-0-3397	10
260 palladium ²⁾	1801-260	1710-0-3319	10
266 titanium ²⁾	1801-266	1710-0-3345	10

- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Surface painted.
- *) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} With label area With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LWL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
22G ivory	1802-22G	1710-0-2637	10
24G studio white	1802-24G	1710-0-2702	10
233 amber ^{*)}	1802-233	1710-0-3372	10
255 obsidian ^{*)}	1802-255	1710-0-3398	10
260 palladium ³⁾	1802-260	1710-0-3320	10
266 titanium ³⁾	1802-266	1710-0-3346	10


- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873, 025-1099-1W (white), IBM 58 G 6965, IBM MiniC Clips, 51 H, 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)
- 3) Surface painted.
- *) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. With labelling field 41.5 x 10 mm.		
22G ivory	1800-22G	1710-0-2645	10
24G studio white	1800-24G	1710-0-2710	10
233 amber ^{*)}	1800-233	1710-0-3370	10
255 obsidian ^{*)}	1800-255	1710-0-3396	10
260 palladium ²⁾	1800-260	1710-0-3318	10
266 titanium ²⁾	1800-266	1710-0-3344	10


- 1) Lettering sheets 1799, 1799 05 and lettering software.
- 2) Surface painted.
- *) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
22G ivory	2561-22G	1710-0-2504	10
24G studio white	2561-24G	1753-0-7776	10
233 amber ^{*)}	2561-233	1710-0-3366	10
255 obsidian ^{*)}	2561-255	1710-0-3392	10
260 palladium ¹⁾	2561-260	1710-0-3314	10
266 titanium ¹⁾	2561-266	1710-0-3340	10


- 1) Surface painted.
- *) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
22G ivory	2561-02-22G	1710-0-2512	10
24G studio white	2561-02-24G	1753-0-7800	10
233 amber ¹⁾	2561-02-233	1710-0-3367	10
255 obsidian ¹⁾	2561-02-255	1710-0-3393	10
260 palladium ¹⁾	2561-02-260	1710-0-3315	10
266 titanium ¹⁾	2561-02-266	1710-0-3341	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
22G ivory	1746/10-22G	1710-0-2652	10
24G studio white	1746/10-24G	1710-0-2744	10
233 amber ¹⁾	1746/10-233	1710-0-3364	10
255 obsidian ¹⁾	1746/10-255	1710-0-3390	10
260 palladium ¹⁾	1746/10-260	1710-0-3312	10
266 titanium ¹⁾	1746/10-266	1710-0-3338	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
22G ivory	1746-22G-101	1710-0-2470	10
24G studio white	1746-24G-101	1753-0-7685	10
233 amber ¹⁾	1746-233-101	1710-0-3365	10
255 obsidian ¹⁾	1746-255-101	1710-0-3391	10
260 palladium ¹⁾	1746-260-101	1710-0-3313	10
266 titanium ¹⁾	1746-266-101	1710-0-3339	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
22G ivory	1769-22G	1710-0-2678	10
24G studio white	1769-24G	1710-0-2736	10
233 amber ¹⁾	1769-233	1710-0-3369	10
255 obsidian ¹⁾	1769-255	1710-0-3395	10
260 palladium ²⁾	1769-260	1710-0-3317	10
266 titanium ²⁾	1769-266	1710-0-3343	10
1) Labelling sheets 1799, 1799 02 and labelling software. 2) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
22G ivory	1748-22G	1710-0-2546	10
24G studio white	1748-24G	1753-0-7891	10
233 amber ¹⁾	1748-233	1710-0-3375	10
255 obsidian ¹⁾	1748-255	1710-0-3401	10
260 palladium ¹⁾	1748-260	1710-0-3323	10
266 titanium ¹⁾	1748-266	1710-0-3349	10
1) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
22G ivory	1758-22G	1724-0-2513	10
24G studio white	1758-24G	1724-0-2067	10
233 amber ¹⁾	1758-233	1724-0-2803	10
255 obsidian ¹⁾	1758-255	1724-0-2808	10
260 palladium ²⁾	1758-260	1724-0-2793	10
266 titanium ²⁾	1758-266	1724-0-2798	10
1) Labelling sheets 1799, 1799 02, 1799 19 and labelling software. 2) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20 EUC-22G	2011-0-3686	10/100
24G studio white	20 EUC-24G	2011-0-3124	10/100
233 amber ¹⁾	20 EUC-233	2011-0-3766	10/100
255 obsidian ¹⁾	20 EUC-255	2011-0-3768	10/100
260 palladium ²⁾	20 EUC-260	2011-0-3762	10/100
266 titanium ²⁾	20 EUC-266	2011-0-3764	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Real metal surface. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ ²⁾ Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20 EUCKS-22G	2013-0-5240	10
24G studio white	20 EUCKS-24G	2013-0-5018	10/100
233 amber ¹⁾	20 EUCKS-233	2013-0-5254	10
255 obsidian ¹⁾	20 EUCKS-255	2013-0-5255	10/100
260 palladium ³⁾	20 EUCKS-260	2013-0-5252	10/100
266 titanium ³⁾	20 EUCKS-266	2013-0-5253	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Increased shock protection. 3) Real metal surface. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20EUK -22G	2018-0-1446	10
24G studiowhi te	20EUK -24G	2018-0-1040	10
233 amber ^{*)}	20EUK -233	2018-0-1468	10/100
255 obsidian ^{*)}	20EUK -255	2018-0-1470	10/100
260 palladium ²⁾	20EUK -260	2018-0-1464	10/100
266 titanium ²⁾	20EUK -266	2018-0-1466	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Realm etal surface.
*) Phase-outt ype

	Busch-Protector®S SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
22G ivory	2310EUGL/VA-22G-11	2011-0-3821	1
24G studiowhi te	2310EUGL/VA-24G-11	2011-0-3823	1
233 amber ^{*)}	2310EUGL/VA-233-11	2011-0-3826	1
255 obsidian ^{*)}	2310EUGL/VA-255-11	2011-0-3827	1
260 palladium ²⁾	2310EUGL/VA-260-11	2011-0-3828	1
266 titanium ²⁾	2310EUGL/VA-266-11	2011-0-3829	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Realm etal surface.
*) Phase-outt ype

	Busch Nema socket outlet with cover plate ¹⁾ 2-pole (2 P + E), 20 A For wall box 58 mm with screw fixation Without claw. Rated voltage: 125 V~ Rated current: 20 A		
24G studiowhi te	3016EUC -24G	2122-0-0028	10


1) Use in accordance with US Standard (e.g. in US military barracks).


	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20M UC-22G-500	2017-0-0813	10
24G studiowhi te	20M UC-24G-500	2017-0-0815	10
233 amber ^{*)}	20M UC-233-500	2017-0-0814	10
255 obsidian ^{*)}	20M UC-255-500	2017-0-0816	10
260 palladium ¹⁾	20M UC-260-500	2017-0-0817	10
266 titanium ¹⁾	20M UC-266-500	2017-0-0818	10

1) Realm etal surface.
*) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ¹⁾ ²⁾ With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20 MUCKS-22G-500	2017-0-0802	10
24G studio white	20 MUCKS-24G-500	2017-0-0803	10
260 palladium ³⁾	20 MUCKS-260-500	2017-0-0804	10
266 titanium ³⁾	20 MUCKS-266-500	2017-0-0805	10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection."
2) Order-bound manufacturing
3) Real metal surface.


	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	20 MUCC-22G-500	2017-0-0828	10
24G studio white	20 MUCC-24G-500	2017-0-0829	10


	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
22G ivory	delivery on special request 2197 EUC-22G-500		
24G studio white	delivery on special request 2197 EUC-24G-500		
260 palladium ¹⁾	delivery on special request 2197 EUC-260-500		
266 titanium ¹⁾	delivery on special request 2197 EUC-266-500		


1) Surface painted.


	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
22G ivory	delivery on special request 2196 EUC-22G-500		
260 palladium ¹⁾	delivery on special request 2196 EUC-260-500		
266 titanium ¹⁾	delivery on special request 2196 EUC-266-500		


1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.		
22G ivory	1780-22G	1710-0-2686	10
24G studiowhi te	1780-24G	1710-0-2124	10
233 amber *)	1780-233	1710-0-3377	10
255 obsidian *)	1780-255	1710-0-3403	10
260 palladium 1)	1780-260	1710-0-3325	10
266 titanium 1)	1780-266	1710-0-3351	10
1) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
22G ivory	1795 TA-22G	1710-0-3713	10
24G studio white	1795 TA-24G	1710-0-3715	10
233 amber *)	1795 TA-233	1710-0-3718	10
255 obsidian *)	1795 TA-255	1710-0-3719	10
260 palladium 1)	1795 TA-260	1710-0-3720	10
266 titanium 1)	1795 TA-266	1710-0-3721	10
1) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat for room thermostat 1094 U, 1097 U		
22G ivory	1794-22G	1710-0-3534	10
24G studiowhi te	1794-24G	1710-0-3536	10
233 amber *)	1794-233	1710-0-3539	10
255 obsidian *)	1794-255	1710-0-3540	10
260 palladium 1)	1794-260	1710-0-3541	10
266 titanium 1)	1794-266	1710-0-3542	10
1) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 55 mm x 70 mm		
22G ivory	6730-22G	6730-0-0009	1
24G studio white	6730-24G	6730-0-0011	1
233 amber *)	6730-233	6730-0-0003	1
255 obsidian *)	6730-255	6730-0-0004	1
260 palladium 3)	6730-260	6730-0-0005	1
266 titanium 3)	6730-266	6730-0-0006	1
1) See labelling sheet 1799 xx. 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 3) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
22G ivory	1795-22G	1710-0-3559	10
24G studiowhi te	1795-24G	1710-0-3561	10
233 amber *)	1795-233	1710-0-3564	10
255 obsidian *)	1795-255	1710-0-3565	10
260 palladium 1)	1795-260	1710-0-3566	10
266 titanium 1)	1795-266	1710-0-3567	10
1) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
22G ivory	1794 TA-22G	1710-0-3686	10
24G studiowhi te	1794 TA-24G	1710-0-3688	10
233 amber *)	1794 TA-233	1710-0-3691	10
255 obsidian *)	1794 TA-255	1710-0-3692	10
260 palladium 1)	1794 TA-260	1710-0-3693	10
266 titanium 1)	1794 TA-266	1710-0-3694	10
1) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty	
<p>Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>				
	22G ivory	6800-22G-104	6800-0-2070	1
	24G studio white	6800-24G-104-500	6800-0-2170	1
	255 obsidian 1)	6800-255-104	6800-0-2122	1/10
	260 palladium 2)	6800-260-104	6800-0-2118	1/10
	266 titanium 2)	6800-266-104	6800-0-2120	1/10

22G ivory	6800-22G-104	6800-0-2070	1
24G studio white	6800-24G-104-500	6800-0-2170	1
255 obsidian 1)	6800-255-104	6800-0-2122	1/10
260 palladium 2)	6800-260-104	6800-0-2118	1/10
266 titanium 2)	6800-266-104	6800-0-2120	1/10

- 1) Please order the respective flush mounted insert separately.
- 2) Surface painted.
- *) Phase-out type

<p>Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>				
	22G ivory	6800-22G-104M	6800-0-2086	1
	24G studio white	6800-24G-104M	6800-0-2088	1
	255 obsidian 1)	6800-255-104M	6800-0-2125	1
	260 palladium 2)	6800-260-104M	6800-0-2119	1/10
	266 titanium 2)	6800-266-104M	6800-0-2121	1/10

22G ivory	6800-22G-104M	6800-0-2086	1
24G studio white	6800-24G-104M	6800-0-2088	1
255 obsidian 1)	6800-255-104M	6800-0-2125	1
260 palladium 2)	6800-260-104M	6800-0-2119	1/10
266 titanium 2)	6800-266-104M	6800-0-2121	1/10

- 1) installation: slide switch top.
- 2) Please order the respective flush mounted insert separately.
- 3) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
<p>Cover frame 1) 1gang frame For vertical or horizontal installation.</p>	22G ivory	1721 KA-22G	1754-0-3831 10
	24G studio white	1721 KA-24G	1754-0-2965 10
	255 obsidian 1)	1721 KA-255	1754-0-4142 10/100
	260 palladium 2)	1721 KA-260	1754-0-4115 10/100
	263 chrome 2)	1721 KA-263	1754-0-4159 10/100
	266 titanium 2)	1721 KA-266	1754-0-4124 10/100

- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.
- *) Phase-out type

<p>Cover frame 1) 2gang frame Vertical.</p>	22G ivory	1732 KA-22G	1754-0-3864 10
	24G studio white	1732 KA-24G	1754-0-3054 10
	255 obsidian 1)	1732 KA-255	1754-0-4144 10/100
	260 palladium 2)	1732 KA-260	1754-0-4117 10/100
	263 chrome 2)	1732 KA-263	1754-0-4161 10/100
	266 titanium 2)	1732 KA-266	1754-0-4126 10/100


- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.
- *) Phase-out type

<p>Cover frame 1) 3gang frame Vertical.</p>	22G ivory	1733 KA-22G	1754-0-3872 10
	24G studio white	1733 KA-24G	1754-0-3088 10
	255 obsidian 1)	1733 KA-255	1754-0-4146 10
	260 palladium 2)	1733 KA-260	1754-0-4119 10
	263 chrome 2)	1733 KA-263	1754-0-4163 10
	266 titanium 2)	1733 KA-266	1754-0-4128 10


- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.
- *) Phase-out type

<p>Cover frame 1) 4gang frame Vertical.</p>	22G ivory	1734 KA-22G	1754-0-4152 1
	24G studio white	1734 KA-24G	1754-0-4156 1
	255 obsidian 1)	1734 KA-255	1754-0-4148 1
	260 palladium 2)	1734 KA-260	1754-0-4121 1
	263 chrome 2)	1734 KA-263	1754-0-4165 1
	266 titanium 2)	1734 KA-266	1754-0-4130 1


- 1) Suitable for installation in trunking systems with 80 mm conduit.
- 2) Real metal surface.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 5gang frame Vertical.		
22G ivory	1735K A-22G	1754-0-4154	1
24G studiowhi te	1735K A-24G	1754-0-4158	1
255 obsidian ¹⁾	1735K A-255	1754-0-4150	1
260 palladium ²⁾	1735K A-260	1754-0-4123	1
263 chrome ²⁾	1735K A-263	1754-0-4167	1
266 titanium ²⁾	1735K A-266	1754-0-4132	1


- 1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 5gang frame Horizontal		
22G ivory	1725 KA-22G	1754-0-4153	1
24G studio white	1725 KA-24G	1754-0-4157	1
255 obsidian ¹⁾	1725 KA-255	1754-0-4149	1
260 palladium ²⁾	1725 KA-260	1754-0-4122	1
263 chrome ²⁾	1725 KA-263	1754-0-4166	1
266 titanium ²⁾	1725 KA-266	1754-0-4131	1


- 1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 2gang frame Horizontal		
22G ivory	1722K A-22G	1754-0-3849	10
24G studiowhi te	1722K A-24G	1754-0-2999	10
255 obsidian ¹⁾	1722K A-255	1754-0-4143	10/100
260 palladium ²⁾	1722K A-260	1754-0-4116	10/100
263 chrome ²⁾	1722K A-263	1754-0-4160	10/100
266 titanium ²⁾	1722K A-266	1754-0-4125	10/100


- 1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2)} 1gang frame With labelling field and label holder.		
24G studio white	1721 NSKA-24G	1754-0-4065	10


- 1) See labelling sheet 1799 xx.
2) Suitable for installation in trunking systems with 80 mm conduit.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 3gang frame Horizontal		
22G ivory	1723K A-22G	1754-0-3856	10
24G studiowhi te	1723K A-24G	1754-0-3021	10
255 obsidian ¹⁾	1723K A-255	1754-0-4145	10
260 palladium ²⁾	1723K A-260	1754-0-4118	10
263 chrome ²⁾	1723K A-263	1754-0-4162	10
266 titanium ²⁾	1723K A-266	1754-0-4127	10


- 1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2)} 2gang frame With labelling field and label holder. Vertical.		
24G studio white	1732 NSKA-24G	1754-0-4067	10


- 1) See labelling sheet 1799 xx.
2) See label holder.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ¹⁾ 4gang frame Horizontal		
22G ivory	1724K A-22G	1754-0-4151	1
24G studiowhi te	1724K A-24G	1754-0-4155	1
255 obsidian ¹⁾	1724K A-255	1754-0-4147	1
260 palladium ²⁾	1724K A-260	1754-0-4120	1
263 chrome ²⁾	1724K A-263	1754-0-4164	1
266 titanium ²⁾	1724K A-266	1754-0-4129	1


- 1) Suitable for installation in trunking systems with 80 mm conduit.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2) 3)} 3gang frame With labelling field and label holder. Vertical.		
24G studio white	1733 NSKA-24G	1754-0-4069	10

- 1) See labelling sheet 1799 xx.
2) See label holder.
3) Suitable for installation in trunking systems with 80 mm conduit.

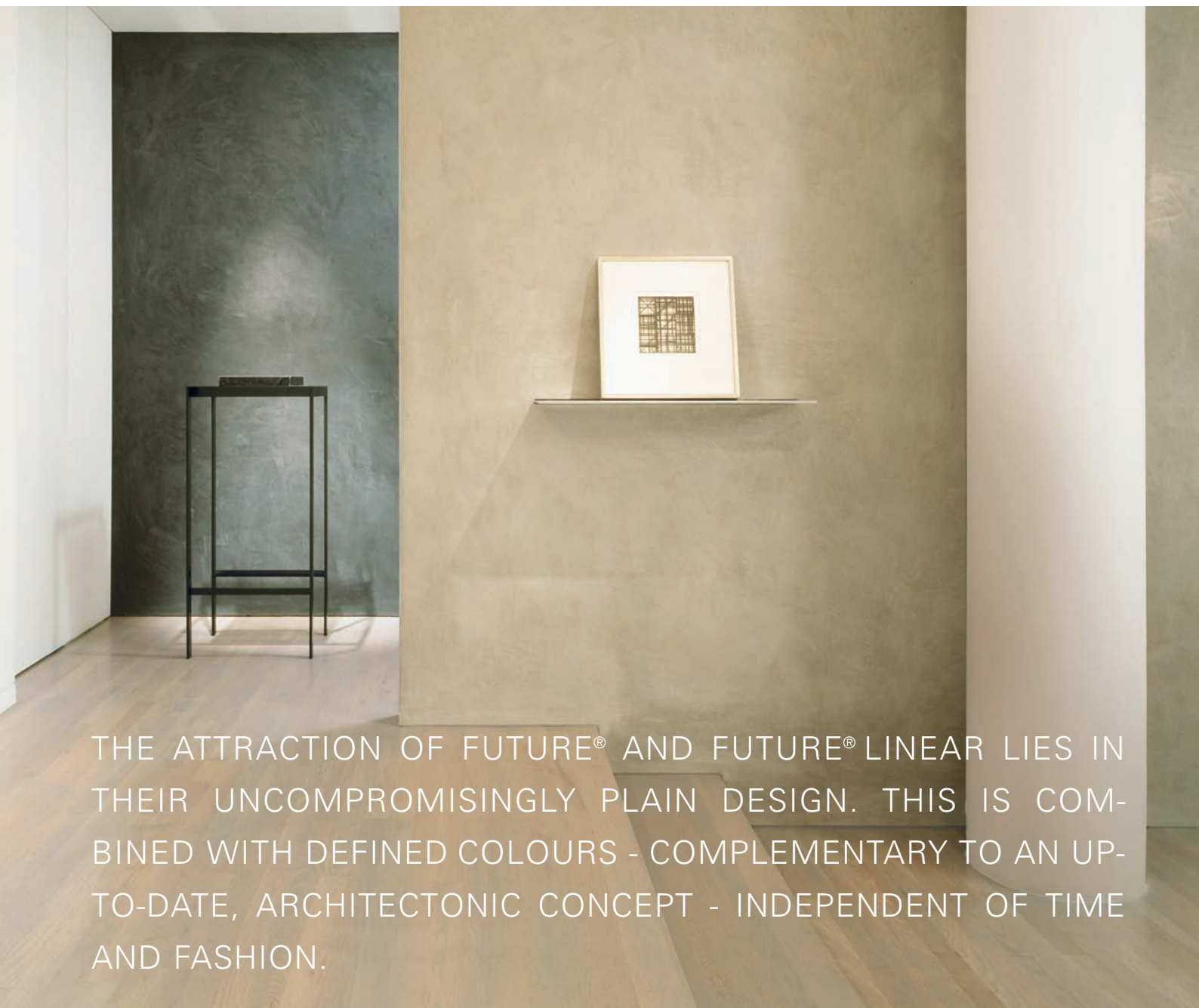
Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2) 3)} 2gang frame With labelling field and label holder. Horizontal		
24G studio white	1722 NSKA-24G	1754-0-4066	10

- 1) See labelling sheet 1799 xx.
2) See label holder.
3) Suitable for installation in trunking systems with 80 mm conduit.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2) 3)} 3gang frame With labelling field and label holder. Horizontal		
24G studio white	1723 NSKA-24G	1754-0-4068	10

- 1) See labelling sheet 1799 xx.
2) See label holder.
3) Suitable for installation in trunking systems with 80 mm conduit.

The “essential features” become evident when reductions are made



THE ATTRACTION OF FUTURE® AND FUTURE® LINEAR LIES IN THEIR UNCOMPROMISINGLY PLAIN DESIGN. THIS IS COMBINED WITH DEFINED COLOURS - COMPLEMENTARY TO AN UP-TO-DATE, ARCHITECTONIC CONCEPT - INDEPENDENT OF TIME AND FASHION.



future®
studio white*



future®
ivory*



future®
stone*



future®
graphite*

*Phase out colour.



future® linear
studio white



future® linear
ivory white



future® linear
stone



future® linear
anthracite



future® linear
aluminium silver



2gang combination switch/13A BS socket outlet.
Colour: aluminium silver.



Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

future®

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future® linear

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Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Doorbell switch



Busch-Memory 2gang dimmer



Busch-Comfort switch



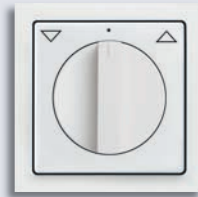
IR sensor with 1fold control element



SCHUKO® socket outlet shuttered



International socket outlet



Busch-Blind control switch with rotary knob



Busch-Blind control switch with semi-cylindrical lock



Comfort timer



Room thermostat with display



WaveLINE LED display



Busch-AudioWorld® DigitalRadio



Busch-AudioWorld® loudspeaker 2"



Busch-AudioWorld® Intercom amplifier



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Data communication outlet

The attraction of futur e® und futur e® linear is their uncompromisingly simple design in combination with defined colours that have their counterpart in a contemporary architectonic conception, independent of time and fashion.



KNX sensor
1fold
with labelling field*



KNX sensor
1fold
with labelling field*



KNX sensor
4fold
with labelling field*



KNX sensor 4fold control
element Multifunction
with labelling field*



KNX sensor IR sensor
with 3fold control element
and labelling field*



KNX room thermostat
with 2fold sensor
and labelling field*



KNX Flush-mounted
movement detector




KNX USB interface*


1 to 5 gang cover
frame future®/future®
linear for horizontal and
vertical installation.




*Please find further information in
the chapter ABB i-bus® KNX.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
81 anthracite *)	1786-81	1751-0-2926	10/100
82 savanna/ivory white	1786-82	1751-0-2741	10/100
83 aluminiumsi lver *)	1786-83	1751-0-2943	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100
89 stone/lightgre y *)	1786-89	1751-0-2880	10/100


1) Surface painted.
*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
81 anthracite *)	1789 TR-81	1751-0-2933	10
82 savanna/ivory white	1789 TR-82	1751-0-2747	10
83 aluminium silver *)	1789 TR-83	1751-0-2953	10
84 davos/studio white	1789 TR-84	1751-0-2755	10
89 stone/light grey *)	1789 TR-89	1751-0-2887	10


1) Surface painted.
*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
81 anthracite *)	1789-81	1751-0-2928	10
82 savanna/ivory white	1789-82	1751-0-2813	10
83 aluminiumsi lver *)	1789-83	1751-0-2945	10/100
84 davos/studio white	1789-84	1751-0-2814	10/100
89 stone/lightgre y *)	1789-89	1751-0-2882	10


1) Surface painted.
*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm.		
81 anthracite *)	1764 NLI-81	1731-0-1552	10
82 savanna/ivory white	1764 NLI-82	1731-0-1876	10
83 aluminium silver *)	1764 NLI-83	1731-0-1948	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100
89 stone/light grey *)	1764 NLI-89	1731-0-1886	10


1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
3) Surface painted.
*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
81 anthracite *)	1789LI-81	1751-0-2931	10
82 savanna/ivory white	1789LI-82	1751-0-2745	10
83 aluminiumsi lver *)	1789LI-83	1751-0-2951	10
84 davos/studio white	1789LI-84	1751-0-2753	10/100
89 stone/lightgre y *)	1789LI-89	1751-0-2885	10


1) Surface painted.
*) Phase-outt type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
81 anthracite *)	1788-81	1751-0-2927	10
82 savanna/ivory white	1788-82	1751-0-2742	10
83 aluminium silver *)	1788-83	1751-0-2954	10
84 davos/studio white	1788-84	1751-0-2750	10/100
89 stone/light grey *)	1788-89	1751-0-2881	10


1) Surface painted.
*) Phase-outt type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
81 anthracite *)	1789K I-81	1751-0-2932	10
82 savanna/ivory white	1789K I-82	1751-0-2746	10
83 aluminiumsi lver *)	1789K I-83	1751-0-2952	10
84 davos/studio white	1789K I-84	1751-0-2754	10
89 stone/lightgre y *)	1789K I-89	1751-0-2886	10


1) Surface painted.
*) Phase-outt type


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 2g 1w, 2g push switch		
81 anthracite *)	1785-81	1751-0-2930	10
82 savanna/ivory white	1785-82	1751-0-2744	10/100
83 aluminium silver *)	1785-83	1751-0-2942	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100
89 stone/light grey *)	1785-89	1751-0-2884	10


1) Surface painted.
*) Phase-outt type


Product	Article-No.	Order-No.	Pack/Qty
 <p>Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter"</p>	81 anthracite ¹⁾	1789H -81	1751-0-2929 10
	82 savanna/ivory white	1789H -82	1751-0-2743 10
	83 aluminiumsilver ¹⁾	1789H -83	1751-0-2955 10
	84 davos/studio white	1789H -84	1751-0-2751 10
	89 stone/lightgrey ¹⁾	1789H -89	1751-0-2883 10
<p>1) Surface painted. *) Phase-out type</p>			


Product	Article-No.	Order-No.	Pack/Qty
 <p>Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US.</p>	81 anthracite ¹⁾	1720-81	1731-0-1914 10
	82 savanna/ivory white	1720-82	1731-0-1915 10
	83 aluminiumsilver ¹⁾	1720-83	1731-0-1949 10
	84 davos/studio white	1720-84	1731-0-1916 10
	89 stone/lightgrey ¹⁾	1720-89	1731-0-1918 10
<p>1) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.</p>	81 anthracite ¹⁾	6541-81	6599-0-2882 10
	82 savanna/ivory white	6541-82	6599-0-2832 10
	83 aluminiumsilver ¹⁾	6541-83	6599-0-2885 10
	84 davos/studio white	6541-84	6599-0-2835 10
	89 stone/lightgrey ¹⁾	6541-89	6599-0-2866 10
<p>1) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>	81 anthracite ¹⁾	6540-81-101	6599-0-2880 10
	82 savanna/ivory white	6540-82-101	6599-0-2830 10/100
	83 aluminiumsilver ²⁾	6540-83-101	6599-0-2886 10
	84 davos/studio white	6540-84-101	6599-0-2833 10/100
	89 stone/lightgrey ¹⁾	6540-89-101	6599-0-2864 10/100
<p>1) Replacement neon lamp, Art. No. 3855. 2) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	81 anthracite ¹⁾	6815-81	6800-0-2284 1/10
	82 savanna/ivory white	6815-82	6800-0-2285 1/10
	83 aluminium silver ²⁾	6815-83	6800-0-2342 1/10
	84 davos/studio white	6815-84	6800-0-2286 1/10
	89 stone/light grey ¹⁾	6815-89	6800-0-2291 1/10
<p>1) Please order the respective flush mounted insert separately. 1) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
 <p>IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch-Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.</p>	81 anthracite ¹⁾	6066-81	6020-0-1379 1/10
	82 savanna/ivory white	6066-82	6020-0-1332 10/10
	83 aluminium silver ²⁾	6066-83	6020-0-1383 1/10
	84 davos/studio white	6066-84	6020-0-1334 1/10
	89 stone/light grey ¹⁾	6066-89	6020-0-1361 1/10
<p>1) Touch-type Controller 6550 U-xxx non-illuminable 2) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
 <p>IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.</p>	81 anthracite ¹⁾	6067-81	6020-0-1380 1/10
	82 savanna/ivory white	6067-82	6020-0-1333 1
	83 aluminium silver ¹⁾	6067-83	6020-0-1384 1/10
	84 davos/studio white	6067-84	6020-0-1335 1
	89 stone/light grey ¹⁾	6067-89	6020-0-1362 1
<p>1) Surface painted. *) Phase-out type</p>			

Product	Article-No.	Order-No.	Pack/Qty
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Control element 1) 2) 3)
With neon lamp.

Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.

81 anthracite *)	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
83 aluminiumsi lver 4)	6543-83-101	6599-0-2887	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
89 stone/lightgre y *)	6543-89-101	6599-0-2865	1/10

- 1) Compatible with previous type 6543-xxx.
 2) Touch-type Controller 6550 U-xxx non-illuminable.
 3) Replacement neon lamp3857.
 4) Surface painted.
 *) Phase-out type


Control element 1)
With neon lamp.

Combinable with Busch Memory 2gang Dimmer 6565 U.

81 anthracite *)	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
83 aluminiumsi lver 2)	6545-83	6599-0-2914	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
89 stone/lightgre y *)	6545-89	6599-0-2913	1/10

- 1) Replacement neon lamp3857.
 2) Surface painted.
 *) Phase-out type


Switch rocker
With marking

As cover for flush mounted blind control switch/ push switch.
 For inserts 2000/4 and 2020/4 US.

81 anthracite *)	1785J A-81	1751-0-2934	10
82 savanna/ivory white	1785J A-82	1751-0-2748	10
83 aluminiumsi lver 1)	1785J A-83	1751-0-2944	10/100
84 davos/studio white	1785J A-84	1751-0-2756	10/100
89 stone/lightgre y *)	1785J A-89	1751-0-2888	10

- 1) Surface painted.
 *) Phase-out type


Cover plate
With rotary control, with marking

As cover for flush mounted blind control switch/ push switch.
 for inserts 2712 U, 2713 U and 2722 U, 2723 U.

81 anthracite *)	1740-81	1710-0-3623	10
82 savanna/ivory white	1740-82	1710-0-3154	10
83 aluminiumsi lver 1)	1740-83	1710-0-3661	10
84 davos/studio white	1740-84	1710-0-3172	10/100
89 stone/lightgre y *)	1740-89	1710-0-3445	10

- 1) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
With rotary control, with marking

As cover for flush mounted three-step rotary switch.
 With zero position.
 for insert 2710 U.

81 anthracite *)	2542 DR/01-81	1710-0-3644	10
82 savanna/ivory white	2542 DR/01-82	1710-0-3645	10
83 aluminium silver 1)	2542 DR/01-83	1710-0-3671	10
84 davos/studio white	2542 DR/01-84	1710-0-3646	10
89 stone/light gre y *)	2542 DR/01-89	1710-0-3648	10

- 1) Surface painted.
 *) Phase-out type


Cover plate
With rotary control, with marking

As cover for flush mounted three-step rotary switch.
 without zero position.
 for Insert 2710/1 U.

81 anthracite *)	2542 DR/02-81	1710-0-3649	10
82 savanna/ivory white	2542 DR/02-82	1710-0-3650	10
83 aluminium silver 1)	2542 DR/02-83	1710-0-3672	10
84 davos/studio white	2542 DR/02-84	1710-0-3651	10
89 stone/light gre y *)	2542 DR/02-89	1710-0-3653	10

- 1) Surface painted.
 *) Phase-out type


Cover plate

For Busch-Short-time timer insert 6465 U.

81 anthracite *)	1773-81	1753-0-9906	10
82 savanna/ivory white	1773-82	1753-0-9907	10
83 aluminium silver 1)	1773-83	1753-0-0030	10
84 davos/studio white	1773-84	1753-0-9908	10
89 stone/light gre y *)	1773-89	1753-0-9910	10

- 1) Surface painted.
 *) Phase-out type


Cover plate

For Busch-Short-time timer insert 6465 U.
 Only Start/Stop button can be operated.

81 anthracite *)	1773/10-81	1753-0-9911	10
82 savanna/ivory white	1773/10-82	1753-0-9912	10
83 aluminium silver 1)	1773/10-83	1753-0-0031	10
84 davos/studio white	1773/10-84	1753-0-9914	10
89 stone/light gre y *)	1773/10-89	1753-0-9916	10

- 1) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate ¹⁾
With label area**
with marking.
For half-cylindrical type switches and Blind Control Switch/
Push Switch.
For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101,
2722 USL-101, 2723 USL-101.

81 anthracite ¹⁾	1755S L/PZ-81-101	1710-0-3626	10
82 savanna/ivory white	1755S L/PZ-82-101	1710-0-3157	10
83 aluminiumsi lver ²⁾	1755S L/PZ-83-101	1710-0-3662	10
84 davos/studio white	1755S L/PZ-84-101	1710-0-3175	10
89 stone/lightgre y [*]	1755S L/PZ-89-101	1710-0-3448	10

1) Refer to marking plate 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type



Cover plate
For Memory control element 6457.

81 anthracite ¹⁾	1773J A-81	1724-0-4251	10
82 savanna/ivory white	1773J A-82	1724-0-2757	10
83 aluminiumsi lver ¹⁾	1773J A-83	1724-0-4260	10
84 davos/studio white	1773J A-84	1724-0-2760	10
89 stone/lightgre y [*]	1773J A-89	1724-0-2829	10

1) Surface painted.
*) Phase-out type



Control element
For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
For basic blinds insert 6418 U.
For Busch Universal 2gang 1way insert 6402 U.

81 anthracite ¹⁾	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
83 aluminiumsi lver ¹⁾	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
89 stone/lightgre y [*]	6430-89-102	6430-0-0334	1/10

1) Surface painted.
*) Phase-out type

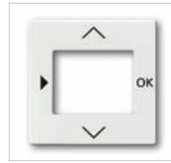


Cover plate
For Busch-Wind and sun blind switch insert 6480 U-10x.

81 anthracite ¹⁾	1775S /W-81-101	1710-0-3625	10
82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10
83 aluminiumsi lver ¹⁾	1775S /W-83-101	1710-0-3663	10
84 davos/studio white	1775S /W-84-101	1710-0-3174	10
89 stone/lightgre y [*]	1775S /W-89-101	1710-0-3447	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U/JF.

81 anthracite ¹⁾	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
83 aluminium silver ¹⁾	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
89 stone/light grey [*]	6435-89	6430-0-0311	10

1) Surface painted.
*) Phase-out type



Cover plate ^{1) 2)}
As cover for flush mounted info light.
For insert 2062 U.
Size of information field 43 x 43 mm.

81 anthracite ¹⁾	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
83 aluminium silver ³⁾	1716-83	1731-0-1950	1
84 davos/studio white	1716-84	1731-0-1923	1
89 stone/light grey [*]	1716-89	1731-0-1928	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type



**Blank plate
With metal mounting plate**

81 anthracite ¹⁾	1742-81	1710-0-3612	10
82 savanna/ivory white	1742-82	1710-0-3143	10
83 aluminium silver ¹⁾	1742-83	1710-0-3664	10
84 davos/studio white	1742-84	1710-0-3161	10/100
89 stone/light grey [*]	1742-89	1710-0-3434	10


1) Surface painted.
*) Phase-out type





Cover plate ¹⁾
As cover for universal data connection boxes.
Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.),
0221-507 (Cat. 6), data technology and comparable types
from the company Rutenbeck.
Brand-Rex (WAEVG 8 EKR/EK).
BTR (universal data connecting unit design and IAE
design).
Telegärtner (AMJ 45, UMJ 45).
With down-leading outlet.
With labelling field.
Size of labelling field: 60.2 x 9.2 mm.


81 anthracite ¹⁾	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
83 aluminium silver ²⁾	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
89 stone/light grey [*]	1803-89	1710-0-3438	10


1) See labelling sheet 1799 xx.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite 1)	1803-02-81	1710-0-3615	10
82 savanna/ivory white	1803-02-82	1710-0-3146	10
83 aluminiumsi lver 2)	1803-02-83	1710-0-3610	10/100
84 davos/studio white	1803-02-84	1710-0-3164	10/100
89 stone/lightgrey *)	1803-02-89	1710-0-3437	10
1) See labelling sheet 1799 xx. 2) Surface painted. *) Phase-out type			


	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
81 anthracite 1)	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
83 aluminiumsi lver 1)	1766-83	1710-0-3659	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
89 stone/lightgrey *)	1766-89	1710-0-3435	10/100
1) Surface painted. *) Phase-out type			


	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm² rigid.		
81 anthracite 1)	1751-81	1723-0-0253	10
82 savanna/ivory white	1751-82	1723-0-0239	10
83 aluminiumsi lver 1)	1751-83	1723-0-0254	10
84 davos/studio white	1751-84	1723-0-0240	10/100
89 stone/lightgrey *)	1751-89	1723-0-0249	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
81 anthracite 1)	1745-81	1710-0-3624	10
82 savanna/ivory white	1745-82	1710-0-3155	10
83 aluminium silver 1)	1745-83	1710-0-3675	10
84 davos/studio white	1745-84	1710-0-3173	10
89 stone/light grey *)	1745-89	1710-0-3446	10
1) Surface painted. *) Phase-out type			


	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
81 anthracite 1)	1743-81	1724-0-4252	10
82 savanna/ivory white	1743-82	1724-0-2758	10
83 aluminium silver 2)	1743-83	1724-0-4262	10
84 davos/studio white	1743-84	1724-0-2774	10/100
89 stone/light grey *)	1743-89	1724-0-2830	10
1) Third opening can be knocked out. 2) See inserts for satellite coaxial socket outlets. 3) Surface painted. *) Phase-out type			

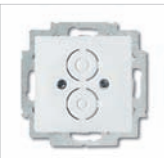
	Cover plate 1) With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 60.2 x 9.2 mm.		
81 anthracite 1)	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
83 aluminium silver 2)	1800-83	1710-0-3676	10
84 davos/studio white	1800-84	1710-0-3176	10
89 stone/light grey *)	1800-89	1710-0-3449	10
1) Labelling sheets 1799 18 and labelling software. 1) Surface painted. *) Phase-out type			


	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite 1)	1746/10-81	1710-0-3628	10
82 savanna/ivory white	1746/10-82	1710-0-3521	10
83 aluminium silver 1)	1746/10-83	1710-0-3677	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
89 stone/light grey *)	1746/10-89	1710-0-3527	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747S I-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
81 anthracite *)	1746-81	1710-0-3618	10
82 savanna/ivory white	1746-82	1710-0-3149	10
83 aluminium silver *)	1746-83	1710-0-3678	10
84 davos/studio white	1746-84	1710-0-3167	10
89 stone/light grey *)	1746-89	1710-0-3440	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
81 anthracite *)	1748-81	1710-0-3654	10
82 savanna/ivory white	1748-82	1710-0-3655	10
83 aluminium silver *)	1748-83	1710-0-3673	10
84 davos/studio white	1748-84	1710-0-3656	10
89 stone/light grey *)	1748-89	1710-0-3658	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
81 anthracite *)	1750-81	1710-0-3617	10
82 savanna/ivory white	1750-82	1710-0-3148	10
83 aluminium silver *)	1750-83	1710-0-3679	10
84 davos/studio white	1750-84	1710-0-3166	10
89 stone/light grey *)	1750-89	1710-0-3439	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
81 anthracite *)	2095 UC-81	2495-0-0084	10
82 savanna/ivory white	2095 UC-82	2495-0-0085	10
83 aluminium silver *)	2095 UC-83	2495-0-0089	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
89 stone/light grey *)	2095 UC-89	2495-0-0088	10
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
81 anthracite *)	2533-81	1724-0-4254	10
82 savanna/ivory white	2533-82	1724-0-4255	10
83 aluminium silver *)	2533-83	1724-0-4261	10
84 davos/studio white	2533-84	1724-0-4256	10
89 stone/light grey *)	2533-89	1724-0-4258	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate *) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
81 anthracite *)	1758-81	1724-0-4253	10
82 savanna/ivory white	1758-82	1724-0-2759	10
83 aluminium silver *)	1758-83	1724-0-4263	10
84 davos/studio white	1758-84	1724-0-2761	10/100
89 stone/light grey *)	1758-89	1724-0-2831	10
1) Labelling sheets 1799, 1799 02, 1799 19 and labelling software. 2) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate *) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
81 anthracite *)	1749-81	1710-0-3614	10
82 savanna/ivory white	1749-82	1710-0-3145	10
83 aluminium silver *)	1749-83	1710-0-3665	10
84 davos/studio white	1749-84	1710-0-3163	10/100
89 stone/light grey *)	1749-89	1710-0-3436	10
1) Cover plate can also be used individually as cover for telephone connector boxes (VDo). 2) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Card-Switch 10 A ¹⁾ SP, with normally open contact (operating current) Illuminable. With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1 2025 U	1012-0-1713	10

1) Illuminable using lamps 8350, 8352, 8353, 8337-1, 8345-1, and 8344-1 and LED inserts.

	Cover plate For card switch For insert 2025 U. Suitable for cards sized 54 x 86 mm. The inner part of the cover plate is made of light-conducting plastic, so that the card slot is illuminated.		
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81 anthracite ^{*)}	1792-81	1710-0-3639	10
82 savanna/ivory white	1792-82	1710-0-3640	10
83 aluminiumsi lver ¹⁾	1792-83	1710-0-3670	10
84 davos/studio white	1792-84	1710-0-3641	10
89 stone/lightgrey ^{*)}	1792-89	1710-0-3643	10

1) Surface painted.
*) Phase-out type

	Switch rocker For flush mounted switch 2g 1w, 2g push switch with marking. DO NOT DISTURB MAKE UP ROOM		
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82 savanna/ivory white	1785/11-82	1751-0-2991	10
83 aluminiumsi lver ¹⁾	1785/11-83	1751-0-2995	10
84 davos/studio white	1785/11-84	1751-0-2992	10
89 stone/lightgrey ^{*)}	1785/11-89	1751-0-2994	10

1) Surface painted.
*) Phase-out type

	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch, with marking. DO NOT DISTURB		
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82 savanna/ivory white	1786/11-82	1751-0-2997	10
83 aluminiumsi lver ¹⁾	1786/11-83	1751-0-3001	10
84 davos/studio white	1786/11-84	1751-0-2998	10
89 stone/lightgrey ^{*)}	1786/11-89	1751-0-3000	10

1) Surface painted.
*) Phase-out type


	Shaver socket outlet For installation into FM 2gang wall box 3030 and 3031. Rated voltage: 240 V, +10 % / -10 % Output voltage: 115 V, +10 % / -10 % Secondary: 240 V, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 20 VA		
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NEW

82 savanna/ivory white	2332 UJBS-82	2130-0-0290	1
83 aluminiumsi lver ¹⁾	2332UJB S-83	2130-0-0291	1
84 davos/studio white	2332 UJBS-84	2130-0-0292	1

1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Flush mounted wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 135 mm x 75 mm x 47 mm NEW 3030	1741-0-0067	5

	Flush mounted cavity wallbox, 2gang For shaver socket outlet 2332 UJBS-8xx. Dimensions: (L x W x D): 142 mm x 82 mm x 45 mm NEW 3031	1741-0-0068	5
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	Cover plate With rotary control, with marking As a cover for volume controllers. Suitable for the "LR mono BJ UP" devices of WHD.		
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82 savanna/ivory white	1740 DR/03-82	1710-0-3807	10
83 aluminium silver ¹⁾	1740 DR/03-83	1710-0-3811	10
84 davos/studio white	1740 DR/03-84	1710-0-3808	10
89 stone/light grey ^{*)}	1740 DR/03-89	1710-0-3810	10

1) Surface painted.
*) Phase-out type

	Loudspeaker insert ¹⁾ 2" For amplifier inserts 8211 U, 8212 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS) Frequency response: 150 - 16,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Installation depth: 34 mm		
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81 anthracite	8221 U	8200-0-0012	1/10
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1) No claw. Screw-fixing via keyholes.

	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. future® linear		
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81 anthracite ^{*)}	8251-81	8200-0-0031	10
82 savanna/ivory white	8251-82	8200-0-0032	10
83 aluminium silver ¹⁾	8251-83	8200-0-0039	10
84 davos/studio white	8251-84	8200-0-0033	10
89 stone/light grey ^{*)}	8251-89	8200-0-0038	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Miditec online reader Milock Hotel HRC400 BJE for door controller ^{1) 2)}
 Online reader with contact-free RFID technology (13.56 MHz)
 RS485 interface (2-wire) for connection to door controller.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

NEW

HRC400

- 1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*, *sol o*, *future*, *future* linear, and *Busch-axcent* from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.
- 2) Also available as an offline reader.



Miditec MUR/DND status display H420 BJE ¹⁾
 Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 RS485 interface (2-wire) for connection to a MUR/DND push-switch.
 Power supply via an external power pack.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

NEW

H420

- 1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*, *sol o*, *future*, *future* linear, and *Busch-axcent* from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.



Miditec energy-saving terminal with online reader HRC910 BJE Milock ^{1) 2)}
 Online reader with contact-free RFID technology (13.56 MHz)
 RS485 interface (2-wire) for connection to door controller.
 Release of power circuits via the door controller for light and electronic devices (air conditioner, TV, etc.) through the insertion of a Milock RFID card.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.8 W
 Maximum current consumption: 150 mA
 Ambient temperature: -10 to +55°C

NEW

HRC910

- 1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*, *sol o*, *future*, *future* linear, and *Busch-axcent* from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.
- 2) Also available as a variant with an offline reader and as a variant without a reader.



Miditec DND/MUR push-switch HC920 BJE ¹⁾
 Push-switch for the hotel room for the activation of the external displays "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 RS485 interface (2-wire) for connection to door controller.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel and with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.2 W
 Maximum current consumption: 100 mA
 Ambient temperature: -10 to +55°C

NEW

HC920

- 1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*, *sol o*, *future*, *future* linear, and *Busch-axcent* from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.

Product	Article-No.	Order-No.	Pack/Qty
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Miditec offline reader Milock Hotel HRC420 BJE ^{1) 2)}
 Offline reader with contact-free RFID technology (13.56 MHz)
 Status indicator for "Make Up Room" (MUR) and "Do Not Disturb" (DND).
 Doorbell push-switch
 RS485 interface (2-wire) for connection to door controller.
 Power supply via an external power pack.
 Only with MTZ Milock Hotel and with MTZ Milock Hotel Access.
 Voltage supply: 12 - 24 V DC external.
 Maximum power consumption: 1.8 W
 Maximum current consumption: 150 mA
 Ambient temperature: -10 to +55°C

NEW

HRC420

- 1) Miditec hotel products are available in the following Busch-Jaeger programmes: *pure stainless steel*, *carat*, *solo*, *future*, *future* linear, and *Busch-axcent* from Miditec Datensysteme GmbH, Bremen, Germany; see www.miditec.de.
- 2) Also available as an online reader.



SCHUKO® socket outlet ¹⁾
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

81 anthracite ¹⁾	20 EUC-81	2011-0-3801	10/100
82 savanna/ivory white	20 EUC-82	2011-0-3721	10/100
83 aluminium silver ²⁾	20 EUC-83	2011-0-3798	10/100
84 davos/studio white	20 EUC-84	2011-0-3725	10/100
89 stone/light grey ¹⁾	20 EUC-89	2011-0-3770	10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Surface painted.

^{*)} Phase-out type



SCHUKO® socket outlet ^{1) 2)}
Shuttered
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

81 anthracite ¹⁾	20 EUCKS-81	2013-0-5265	10
82 savanna/ivory white	20 EUCKS-82	2013-0-5244	10/100
83 aluminium silver ³⁾	20 EUCKS-83	2013-0-5272	10/100
84 davos/studio white	20 EUCKS-84	2013-0-5245	10/100
89 stone/light grey ¹⁾	20 EUCKS-89	2013-0-5259	10/100

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Increased shock protection.

³⁾ Surface painted.


^{*)} Phase-out type




SCHUKO® socket outlet ¹⁾
with marking
 With screwless terminal.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

green (SV) RAL 6018	20 EUC-13-82	2011-0-3722	10
orange (ZSV) RAL 2004	20 EUC-14-82	2011-0-3723	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ¹⁾ With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite ^{*)}	20E UK-81	2018-0-1486	10
82 savanna/ivory white	20EU K-82	2018-0-1465	10
83 aluminiumsi lver ²⁾	20EUK -83	2018-0-1487	10
84 davos/studio white	20EU K-84	2018-0-1467	10/100
89 stone/lightgre y ^{*)}	20E UK-89	2018-0-1478	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

	SCHUKO® socket outlet ¹⁾ ²⁾ With label area 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite ^{*)}	20E UN-81	2011-0-3802	10
82 savanna/ivory white	20EU N-82	2011-0-3726	10
83 aluminiumsi lver ²⁾	20EUN-83	2011-0-3810	10
84 davos/studio white	20EU N-84	2011-0-3727	10
89 stone/lightgre y ^{*)}	20E UN-89	2011-0-3773	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.
3) Surface painted.
*) Phase-out type

	Busch-Protector® S SCHUKO® socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
81 anthracite ^{*)}	2310EUGL/ VA-81-11	2011-0-3830	1
82 savanna/ivory white	2310EUGL/ VA-82-11	2011-0-3831	1
83 aluminiumsi lver ²⁾	2310EUGL/ VA-83-11	2011-0-3832	1
84 davos/studio white	2310EUGL/ VA-84-11	2011-0-3833	1
89 stone/lightgre y ^{*)}	2310EUGL/ VA-89-11	2011-0-3838	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.
*) Phase-out type

	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) ¹⁾ ²⁾ ³⁾ With integrated earth leakage breaker. Shuttered. DP cut off (P/N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection .

	SCHUKO® socket outlet ¹⁾ ²⁾ ³⁾ With marking "EDV" With screwless terminal. 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite ^{*)}	20 EUCKS/DV-81	2013-0-5266	10
82 savanna/ivory white	20 EUCKS/DV-82	2013-0-5267	10
83 aluminium silver ²⁾	20 EUCKS/DV-83	2013-0-5273	10/100
84 davos/studio white	20 EUCKS/DV-84	2013-0-5268	10
89 stone/light grey ^{*)}	20 EUCKS/DV-89	2013-0-5270	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection .
4) Surface painted.
*) Phase-out type

	SCHUKO® socket outlet ¹⁾ With control light with LED, 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
83 aluminium silver ²⁾	20 EUCGL-83	2011-0-3865	10
84 davos/studio white	20 EUCGL-84	2011-0-3862	10
13 green	20 EUCGL-13-84	2011-0-3863	10
14 orange	20 EUCGL-14-84	2011-0-3864	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Surface painted.

	SCHUKO® socket outlet ¹⁾ ²⁾ With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
83 aluminium silver ²⁾	20 EUCBL-83	2013-0-5285	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.
3) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet Busch-steplight® 1) 2)
Night orientation light
 with separate connection cables for switch contact.
 with LED,
 Shuttered.
 2 P + E
 Rated voltage: 250 V~
 Rated current: 16 A

82	ivory	20EUC BLI-82	2013-0-5292	10
83	aluminiumsi lver 3)	20EUC BLI-83	2013-0-5293	10
84	studiowhi te	20EUC BLI-84	2013-0-5294	10

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Resistant to aggressive media, e.g. ammonia, benzine, oils, greases, alcohol, cleansing agents, in normal concentrations.
- 3) Surface painted.



13 A Switched socket outlet
 1gang
 With screw-type terminal.
 SP switched
 Without claw.
 Only for mounting in VDE flush-mounted sockets types
 CFB 122 and CFBM 122.
 Rated voltage: 250 V~
 Rated current: 13 A
 BS 1363: part 2

81	anthracite 1)	2190 EUC-81	2190-0-0216	10/100
82	savanna/ivory white	2190 EUC-82	2190-0-0213	10/100
83	aluminiumsi lver 1)	2190EUC -83	2190-0-0214	10/100
84	davos/studio white	2190 EUC-84	2190-0-0215	10/100

- 1) Surface painted.
- *) Phase-out type



2-gang Euro American socket outlet, 10A
 2gang
 With screw-type terminal.
 Without claw.
 Rated voltage: 250 V~
 Rated current: 10 A

81	anthracite	delivery on special request 2192-02 UC-81-500
82	savanna/ivory white	delivery on special request 2192-02 UC-82-500
83	aluminiumsi lver 1)	delivery on special request 2192-02UC -83-500
84	davos/studio white	delivery on special request 2192-02 UC-84-500
89	stone/lightgrey	delivery on special request 2192-02UC -89-500

- 1) Surface painted.



Chinese socket outlet, 10 A
 1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 10 A
 Rated current: 10 A

81	anthracite	delivery on special request 2193 EUC/10-81-500
82	savanna/ivory white	delivery on special request 2193 EUC/10-82-500
83	aluminiumsi lver 1)	delivery on special request 2193EUC -83-500
84	davos/studio white	delivery on special request 2193 EUC/10-84-500
89	stone/lightgrey	delivery on special request 2193EUC /10-89-500

- 1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
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Chinese socket outlet, 16 A
 1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 16 A

81	anthracite	delivery on special request 2193 EUC/16-81-500
82	savanna/ivory white	delivery on special request 2196 EUC/16-82-500
83	aluminium silver 1)	delivery on special request 2193 EUC/16-83-500
84	davos/studio white	delivery on special request 2193 EUC/16-84-500
89	stone/light grey	delivery on special request 2193 EUC/16-89-500

- 1) Surface painted.



Chinese and Euro American socket outlet, 10 A
 1gang
 With screw-type terminal.
 Without claw.
 According to Chinese standard: GB 2099.1
 Rated voltage: 250 V~
 Rated current: 10 A

81	anthracite	delivery on special request 2195 EUC/10-81-500
82	savanna/ivory white	delivery on special request 2195 EUC/10-82-500
83	aluminium silver 1)	delivery on special request 2195 EUC/10-83-500
84	davos/studio white	delivery on special request 2195 EUC/10-84-500
89	stone/light grey	delivery on special request 2195 EUC/10-89-500


- 1) Surface painted.





International socket outlet 13A
 1gang
 With screw-type terminal.
 Without claw.
 Rated voltage: 250 V~
 Rated current: 13 A


81	anthracite	delivery on special request 2197 EUC-81-500
82	savanna/ivory white	delivery on special request 2197 EUC-82-500
83	aluminium silver 1)	delivery on special request 2197 EUC-83-500
84	davos/studio white	delivery on special request 2197 EUC-84-500
89	stone/light grey	delivery on special request 2197 EUC-89-500


- 1) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
81 anthracite	delivery on special request 2196 EUC-81-500		
82 savanna/ivory white	delivery on special request 2196 EUC-82-500		
83 studiowhite 1)	delivery on special request 2196EUC -83-500		
84 davos/studio white	delivery on special request 2196 EUC-84-500		
89 stone/lightgrey y	delivery on special request 2196EUC -89-500		
1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat for room thermostat 1094 U, 1097 U		
81 anthracite *)	1794-81	1710-0-3629	10
82 savanna/ivory white	1794-82	1710-0-3543	10
83 aluminiumsilver 1)	1794-83	1710-0-3668	10
84 davos/studio white	1794-84	1710-0-3544	10
89 stone/lightgrey y *)	1794-89	1710-0-3549	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
81 anthracite *)	1795-81	1710-0-3630	10
82 savanna/ivory white	1795-82	1710-0-3568	10
83 aluminiumsilver 1)	1795-83	1710-0-3669	10
84 davos/studio white	1795-84	1710-0-3569	10
89 stone/lightgrey y *)	1795-89	1710-0-3574	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
81 anthracite *)	1794 TA-81	1710-0-3695	10
82 savanna/ivory white	1794 TA-82	1710-0-3696	10
83 aluminiumsilver 1)	1794 TA-83	1710-0-3697	10
84 davos/studio white	1794 TA-84	1710-0-3698	10
89 stone/lightgrey y *)	1794 TA-89	1710-0-3703	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
81 anthracite *)	1795 TA-81	1710-0-3722	10
82 savanna/ivory white	1795 TA-82	1710-0-3723	10
83 aluminium silver 1)	1795 TA-83	1710-0-3724	10
84 davos/studio white	1795 TA-84	1710-0-3725	10
89 stone/light grey *)	1795 TA-89	1710-0-3730	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
81 anthracite *)	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
83 aluminium silver 3)	6730-83	6730-0-0016	1
84 davos/studio white	6730-84	6730-0-0017	1
89 stone/light grey *)	6730-89	6730-0-0022	1
1) See labelling sheet 1799 xx. 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 3) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	81 anthracite *) 6800-81-104	6800-0-2268	1	
	82 savanna/ivory white 6800-82-104	6800-0-2099	1/10	
	83 aluminiumsi lver 2) 6800-83-104	6800-0-2325	1	
	84 davos/studio white 6800-84-104	6800-0-2101	1/10	
89 stone/lightgre y *) 6800-89-104	6800-0-2157	1		

1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-outt ype

	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	81 anthracite *) 6800-81-104M	6800-0-2269	1	
	82 savanna/ivory white 6800-82-104M	6800-0-2100	1	
	83 aluminiumsi lver 3) 6800-83-104M	6800-0-2327	1	
	84 davos/studio white 6800-84-104M	6800-0-2102	1/10	
89 stone/lightgre y *) 6800-89-104M	6800-0-2158	1		

1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
3) Surface painted.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Surface mounting box With base plate. Box for inserts and cover plates with cover frame.		
	1-gang box		
	81 anthracite *) 1701-81	1799-0-0895	10
	82 savanna/ivory white 1701-82	1799-0-0896	10
	83 aluminium silver 1) 1701-83	1799-0-0905	10
84 davos/studio white 1701-84	1799-0-0897	10/100	
89 stone/light grey *) 1701-89	1799-0-0899	10	
2-gang box			
81 anthracite *) 1702-81	1799-0-0900	10	
82 savanna/ivory white 1702-82	1799-0-0901	10	
83 aluminium silver 1702-83	1799-0-0906	10	
84 davos/studio white 1702-84	1799-0-0902	10	
89 stone/light grey *) 1702-89	1799-0-0904	10	


3) Surface painted.
*) Phase-out type


	Trunking adaptors For SM box Suitable for 1701-8x and 1702-8x. Trunking dimension: 15 x 15 mm to 19 x 19 mm.		
	81 anthracite *) 2087-81	1761-0-1493	10
	82 savanna/ivory white 2087-82	1761-0-1494	10
	83 aluminium silver 1) 2087-83	1761-0-1504	10
	84 davos/studio white 2087-84	1761-0-1495	10
89 stone/light grey *) 2087-89	1761-0-1497	10	


1) Surface painted.
*) Phase-out type


	Cable entry For SM box Suitable for 1701-8x and 1702-8x.		
	81 anthracite *) 2088-81	1761-0-1498	10
	82 savanna/ivory white 2088-82	1761-0-1499	10
	83 aluminium silver 1) 2088-83	1761-0-1505	10
	84 davos/studio white 2088-84	1761-0-1500	10
89 stone/light grey *) 2088-89	1761-0-1502	10	


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 1gang frame With small corner radii for trunking systems.		
181 anthracite *)	1721-181K	1754-0-4240	10
182 savanna/ivory white	1721-182K	1754-0-4230	10/100
184 davos/studio white	1721-184K	1754-0-4235	10/100
189 stone/lightgrey *)	1721-189K	1754-0-4245	10
183 aluminiumsilver *)	1721-183K	1754-0-4301	10/100
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 5gang frame With small corner radii for trunking systems.		
181 anthracite *)	1725-181K	1754-0-4244	1
182 savanna/ivory white	1725-182K	1754-0-4234	1
184 davos/studio white	1725-184K	1754-0-4239	1
189 stone/light grey *)	1725-189K	1754-0-4249	1
183 aluminium silver *)	1725-183K	1754-0-4310	1
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 2gang frame With small corner radii for trunking systems.		
181 anthracite *)	1722-181K	1754-0-4241	10
182 savanna/ivory white	1722-182K	1754-0-4231	10
184 davos/studio white	1722-184K	1754-0-4236	10
189 stone/lightgrey *)	1722-189K	1754-0-4246	10
183 aluminiumsilver *)	1722-183K	1754-0-4302	10/100
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 3gang frame With small corner radii for trunking systems.		
181 anthracite *)	1723-181K	1754-0-4242	10
182 savanna/ivory white	1723-182K	1754-0-4232	10
184 davos/studio white	1723-184K	1754-0-4237	10
189 stone/lightgrey *)	1723-189K	1754-0-4247	10
183 aluminiumsilver *)	1723-183K	1754-0-4308	10/100
1) Surface painted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	future® linear Cover frame 4gang frame With small corner radii for trunking systems.		
181 anthracite *)	1724-181K	1754-0-4243	10
182 savanna/ivory white	1724-182K	1754-0-4233	10
184 davos/studio white	1724-184K	1754-0-4238	10
189 stone/lightgrey *)	1724-189K	1754-0-4248	10
183 aluminiumsilver *)	1724-183K	1754-0-4309	10
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
82 savanna/ivory white	1786-82	1751-0-2741	10/100
84 davos/studio white	1786-84	1751-0-2749	10/100
85 manhattan/graphite *)	1786-85	1751-0-2757	10/100
89 stone/lightgre y *)	1786-89	1751-0-2880	10/100


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With key symbol For flush mounted push switch.		
82 savanna/ivory white	1789 TR-82	1751-0-2747	10
84 davos/studio white	1789 TR-84	1751-0-2755	10
85 manhattan/graphite *)	1789 TR-85	1751-0-2763	10
89 stone/light grey *)	1789 TR-89	1751-0-2887	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker As cover for flush mounted 1gang 1way, 1gang 2way switch, intermediate switch, push button and control switch 1gang 2way. With red neon lens.		
82 savanna/ivory white	1789-82	1751-0-2813	10
84 davos/studio white	1789-84	1751-0-2814	10/100
85 manhattan/graphite *)	1789-85	1751-0-2815	10/100
89 stone/lightgre y *)	1789-89	1751-0-2882	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 59.7 x 11.7 mm.		
82 savanna/ivory white	1764 NLI-82	1731-0-1876	10
84 davos/studio white	1764 NLI-84	1731-0-1877	10/100
85 manhattan/graphite *)	1764 NLI-85	1731-0-1878	10
89 stone/light grey *)	1764 NLI-89	1731-0-1886	10


1) See labelling sheet 1799 xx.
2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
82 savanna/ivory white	1789LI-82	1751-0-2745	10
84 davos/studio white	1789LI-84	1751-0-2753	10/100
85 manhattan/graphite *)	1789LI-85	1751-0-2761	10
89 stone/lightgre y *)	1789LI-89	1751-0-2885	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker with marking With red neon lens. As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch.		
82 savanna/ivory white	1788-82	1751-0-2742	10
84 davos/studio white	1788-84	1751-0-2750	10/100
85 manhattan/graphite *)	1788-85	1751-0-2758	10/100
89 stone/light grey *)	1788-89	1751-0-2881	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With bell symbol For flush mounted push switch.		
82 savanna/ivory white	1789K I-82	1751-0-2746	10
84 davos/studio white	1789K I-84	1751-0-2754	10
85 manhattan/graphite *)	1789K I-85	1751-0-2762	10
89 stone/lightgre y *)	1789K I-89	1751-0-2886	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 2g 1w, 2g push switch		
82 savanna/ivory white	1785-82	1751-0-2744	10/100
84 davos/studio white	1785-84	1751-0-2752	10/100
85 manhattan/graphite *)	1785-85	1751-0-2760	10/100
89 stone/light grey *)	1785-89	1751-0-2884	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking For flush mounted switch 1g1w, 1g2w, intermediate, push switch. With marking "Heizung-Notschalter".		
82 savanna/ivory white	1789H -82	1751-0-2743	10
84 davos/studio white	1789H -84	1751-0-2751	10
85 manhattan/graphite *)	1789H -85	1751-0-2759	10
89 stone/lightgre y *)	1789H -89	1751-0-2883	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker Open for red pull switch neon indicator For pull switch 2020/xx US.		
82 savanna/ivory white	1720-82	1731-0-1915	10
84 davos/studio white	1720-84	1731-0-1916	10
85 manhattan/graphite *)	1720-85	1731-0-1917	10
89 stone/lightgre y *)	1720-89	1731-0-1918	10

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
89 stone/lightgre y *)	6541-89	6599-0-2866	10

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
85 manhattan/graphite *)	6540-85-101	6599-0-2836	10/100
89 stone/lightgre y *)	6540-89-101	6599-0-2864	10/100


1) Replacement neon lamp, Art. No. 3855.

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Comfort switch control element 1) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	6815-82	6800-0-2285	1/10
84 davos/studio white	6815-84	6800-0-2286	1/10
85 manhattan/graphite *)	6815-85	6800-0-2287	1/10
89 stone/light grey *)	6815-89	6800-0-2291	1/10


1) Please order the respective flush mounted insert separately.

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
85 manhattan/graphite *)	6066-85	6020-0-1336	10/10
89 stone/light grey *)	6066-89	6020-0-1361	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element With marking, illuminated For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U. Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
85 manhattan/graphite *)	6067-85	6020-0-1337	1
89 stone/light grey *)	6067-89	6020-0-1362	1

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
85 manhattan/graphite *)	6543-85-101	6599-0-2837	1/10
89 stone/light grey *)	6543-89-101	6599-0-2865	1/10

1) Compatible with previous type 6543-xxx.


2) Touch-type Controller 6550 U-xxx non-illuminable.

3) Replacement neon lamp 3857.


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
85 manhattan/graphite *)	6545-85	6599-0-2909	1/10
89 stone/lightgre y *)	6545-89	6599-0-2913	1/10


1) Replacement neon lamp3857.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
82 savanna/ivory white	2542 DR/02-82	1710-0-3650	10
84 davos/studio white	2542 DR/02-84	1710-0-3651	10
85 manhattan/graphite *)	2542 DR/02-85	1710-0-3652	10
89 stone/light grey *)	2542 DR/02-89	1710-0-3653	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/ push switch. For inserts 2000/4 and 2020/4 US.		
82 savanna/ivory white	1785J A-82	1751-0-2748	10
84 davos/studio white	1785J A-84	1751-0-2756	10/100
85 manhattan/graphite *)	1785J A-85	1751-0-2764	10/100
89 stone/lightgre y *)	1785J A-89	1751-0-2888	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
85 manhattan/graphite *)	1773-85	1753-0-9909	10
89 stone/light grey *)	1773-89	1753-0-9910	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
85 manhattan/graphite *)	1740-85	1710-0-3190	10
89 stone/lightgre y *)	1740-89	1710-0-3445	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
85 manhattan/graphite *)	1773/10-85	1753-0-9915	10
89 stone/light grey *)	1773/10-89	1753-0-9916	10


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
82 savanna/ivory white	2542 DR/01-82	1710-0-3645	10
84 davos/studio white	2542 DR/01-84	1710-0-3646	10
85 manhattan/graphite *)	2542D R/01-85	1710-0-3647	10
89 stone/lightgre y *)	2542D R/01-89	1710-0-3648	10


*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
82 savanna/ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
85 manhattan/graphite *)	1755 SL/PZ-85-101	1710-0-3193	10
89 stone/light grey *)	1755 SL/PZ-89-101	1710-0-3448	10


1) Refer to marking plate 1799 18 and labelling software.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
	82 savanna/ivory white	1773J A-82	1724-0-2757 10
	84 davos/studio white	1773J A-84	1724-0-2760 10
	85 manhattan/graphite *)	1773J A-85	1724-0-2762 10
89 stone/lightgrey *)	1773J A-89	1724-0-2829 10	


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
	82 savanna/ivory white	6430-82-102	6430-0-0327 1/10
	84 davos/studio white	6430-84-102	6430-0-0329 1/10
	85 manhattan/graphite *)	6430-85-102	6430-0-0330 1/10
89 stone/lightgrey *)	6430-89-102	6430-0-0334 1/10	

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
	82 savanna/ivory white	1775S /W-82-101	1710-0-3156 10
	84 davos/studio white	1775S /W-84-101	1710-0-3174 10
	85 manhattan/graphite *)	1775S /W-85-101	1710-0-3192 10
89 stone/lightgrey *)	1775S /W-89-101	1710-0-3447 10	

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	82 savanna/ivory white	6435-82	6430-0-0304 10
	84 davos/studio white	6435-84	6430-0-0306 10
	85 manhattan/graphite *)	6435-85	6430-0-0307 10
89 stone/lightgrey *)	6435-89	6430-0-0311 10	


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	82 savanna/ivory white	1716-82	1731-0-1922 1
	84 davos/studio white	1716-84	1731-0-1923 1
	85 manhattan/graphite *)	1716-85	1731-0-1924 1
89 stone/light grey *)	1716-89	1731-0-1928 1	


1) Included with the cover are 46 different text labels and symbols.

2) See labelling sheet 1799 xx.

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Blank plate With metal mounting plate		
	82 savanna/ivory white	1742-82	1710-0-3143 10
	84 davos/studio white	1742-84	1710-0-3161 10/100
	85 manhattan/graphite *)	1742-85	1710-0-3179 10
89 stone/light grey *)	1742-89	1710-0-3434 10	

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
	82 savanna/ivory white	1749-82	1710-0-3145 10
	84 davos/studio white	1749-84	1710-0-3163 10/100
	85 manhattan/graphite *)	1749-85	1710-0-3181 10
89 stone/light grey *)	1749-89	1710-0-3436 10	


1) Cover plate can also be used individually as cover for telephone connector boxes (VDO).


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEVG 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	82 savanna/ivory white	1803-82	1710-0-3147 10
	84 davos/studio white	1803-84	1710-0-3165 10/100
	85 manhattan/graphite *)	1803-85	1710-0-3183 10
89 stone/light grey *)	1803-89	1710-0-3438 10	


1) See labelling sheet 1799 xx.


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
85 manhattan/graphite *)	1803-02-85	1710-0-3182	10
89 stone/lightgrey *)	1803-02-89	1710-0-3437	10
1) See labelling sheet 1799 xx. *) Phase-out type			


	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
85 manhattan/graphite *)	1766-85	1710-0-3180	10/100
89 stone/lightgrey *)	1766-89	1710-0-3435	10/100
*) Phase-out type			


	Cover plate With metal mounting plate fixing claws loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
85 manhattan/graphite *)	1751-85	1723-0-0241	10
89 stone/lightgrey *)	1751-89	1723-0-0249	10
*) Phase-out type			


	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
85 manhattan/graphite *)	1745-85	1710-0-3191	10
89 stone/lightgrey *)	1745-89	1710-0-3446	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
85 manhattan/graphite *)	1743-85	1724-0-2763	10
89 stone/light grey *)	1743-89	1724-0-2830	10
1) Third opening can be knocked out. 2) See inserts for satellite coaxial socket outlets. *) Phase-out type			


	Cover plate 1) With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 60.2 x 9.2 mm.		
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10
85 manhattan/graphite *)	1800-85	1710-0-3194	10
89 stone/light grey *)	1800-89	1710-0-3449	10
1) Labelling sheets 1799 18 and labelling software. *) Phase-out type			


	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
85 manhattan/graphite *)	1746/10-85	1710-0-3523	10
89 stone/light grey *)	1746/10-89	1710-0-3527	10
*) Phase-out type			


	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747 SI-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	82 savanna/ivory white	1746-82	1710-0-3149 10
	84 davos/studio white	1746-84	1710-0-3167 10
	85 manhattan/graphite *)	1746-85	1710-0-3185 10
89 stone/lightgrey *)	1746-89	1710-0-3440 10	
*) Phase-ou type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
	82 savanna/ivory white	2533-82	1724-0-4255 10
	84 davos/studio white	2533-84	1724-0-4256 10
	85 manhattan/graphite *)	2533-85	1724-0-4257 10
89 stone/light grey *)	2533-89	1724-0-4258 10	
*) Phase-ou type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
	82 savanna/ivory white	1748-82	1710-0-3655 10
	84 davos/studio white	1748-84	1710-0-3656 10
	85 manhattan/graphite *)	1748-85	1710-0-3657 10
89 stone/lightgrey *)	1748-89	1710-0-3658 10	
*) Phase-ou type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate *) With metal mounting plate for communication devices. With labelling field 60.2 x 10.2 mm. Without claw.		
	82 savanna/ivory white	1758-82	1724-0-2759 10
	84 davos/studio white	1758-84	1724-0-2761 10/100
	85 manhattan/graphite *)	1758-85	1724-0-2764 10
89 stone/light grey *)	1758-89	1724-0-2831 10	
1) Labelling sheets 1799,1799 02,1799 19 and labelling software. *) Phase-ou type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	82 savanna/ivory white	1750-82	1710-0-3148 10
	84 davos/studio white	1750-84	1710-0-3166 10
	85 manhattan/graphite *)	1750-85	1710-0-3184 10
89 stone/lightgrey *)	1750-89	1710-0-3439 10	
*) Phase-ou type			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet *) With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	82 savanna/ivory white	20 EUC-82	2011-0-3721 10/100
	84 davos/studio white	20 EUC-84	2011-0-3725 10/100
	85 manhattan/graphite *)	20 EUC-85	2011-0-3729 10/100
89 stone/light grey *)	20 EUC-89	2011-0-3770 10/100	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. *) Phase-ou type			

Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm². IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
	82 savanna/ivory white	2095 UC-82	2495-0-0085 10
	84 davos/studio white	2095 UC-84	2495-0-0086 10
	85 manhattan/graphite *)	2095UC -85	2495-0-0087 10
89 stone/lightgrey *)	2095 UC-89	2495-0-0088 10	
*) Phase-ou type			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet *) with marking With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	green (SV) RAL 6018 orange (ZSV) RAL 2004	20 EUC-13-82 20 EUC-14-82	2011-0-3722 2011-0-3723
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20EUC KS-82	2013-0-5244	10/100
84 davos/studio white	20E UCKS-84	2013-0-5245	10/100
85 manhattan/graphite *)	20EUC KS-85	2013-0-5246	10/100
89 stone/lightgrey *)	20E UCKS-89	2013-0-5259	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.
*) Phase-out type

	SCHUKO® socket outlet 1) With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20E UK-82	2018-0-1465	10
84 davos/studio white	20E UK-84	2018-0-1467	10/100
85 manhattan/graphite *)	20EUK -85	2018-0-1469	10
89 stone/lightgrey *)	20E UK-89	2018-0-1478	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
*) Phase-out type

	SCHUKO® socket outlet 1) 2) With label area 2 P + E Size of labelling field: 60.2 x 9.2 mm. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20EUN-82	2011-0-3726	10
84 davos/studio white	20E UN-84	2011-0-3727	10
85 manhattan/graphite *)	20EUN-85	2011-0-3730	10
89 stone/lightgrey *)	20E UN-89	2011-0-3773	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Labelling sheets 1799 18 and labelling software.
*) Phase-out type

	Busch-Protector® S SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
82 savanna/ivory white	2310EUGL/ VA-82-11	2011-0-3831	1
84 davos/studio white	2310EUGL/ VA-84-11	2011-0-3833	1
85 manhattan/graphite *)	2310EUGL/ VA-85-11	2011-0-3834	1
89 stone/lightgrey *)	2310EUGL/ VA-89-11	2011-0-3838	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (P/N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.

	SCHUKO® socket outlet 1) 2) 3) With marking "EDV" With screwless terminal. 2 P + E Shuttered. Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20 EUCKS/DV-82	2013-0-5267	10
84 davos/studio white	20 EUCKS/DV-84	2013-0-5268	10
85 manhattan/graphite *)	20 EUCKS/DV-85	2013-0-5269	10
89 stone/light grey *)	20 EUCKS/DV-89	2013-0-5270	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.
3) Increased shock protection.
*) Phase-out type


	SCHUKO® socket outlet 1) With control light with LED, 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
84 davos/studio white	20 EUCGL-84	2011-0-3862	10
13 green	20 EUCGL-13-84	2011-0-3863	10
14 orange	20 EUCGL-14-84	2011-0-3864	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	SCHUKO® socket outlet 1) 2) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20 EUCBL-82	2013-0-5284	10
84 studio white	20 EUCBL-84	2013-0-5286	10
green (SV) RAL 6018	20 EUCBL-13-84	2013-0-5287	10
orange (ZSV) RAL 2004	20 EUCBL-14-84	2013-0-5288	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO[®] socket outlet Busch-steptlight[®] 1) 2) Night orientation light with separate connection cables for switch contact. with LED. Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 ivory	20EUC BLI-82	2013-0-5292	10
84 studiowhite	20EUC BLI-84	2013-0-5294	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			


	13 A Switched socket outlet SP switched 1gang Only for mounting in VDE flush-mounted sockets types CFB 122 and CFBM 122. Rated voltage: 250 V~ Rated current: 13 A BS 1363: part2		
82 savanna/ivory white	2190EUC -82	2190-0-0213	10/100
84 davos/studio white	2190 EUC-84	2190-0-0215	10/100


	2-gang Euro American socket outlet, 10A Rated voltage: 250 V~ Rated current: 10 A		
	delivery on special request		
82 savanna/ivory white	2192-02UC -82-500		
	delivery on special request		
84 davos/studio white	2192-02 UC-84-500		
	delivery on special request		
85 manhattan/graphite	2192-02 UC-85-500		
	delivery on special request		
89 stone/lightgrey	2192-02UC -89-500		

	Chinese socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A Rated current: 10 A		
	delivery on special request		
82 savanna/ivory white	2193EUC /10-82-500		
84 davos/studio white	2193 EUC/10-84-500		
	delivery on special request		
85 manhattan/graphite	2193 EUC/10-85-500		
	delivery on special request		
89 stone/lightgrey	2193EUC /10-89-500		

Product	Article-No.	Order-No.	Pack/Qty
	Chinese socket outlet, 16 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 16 A		
	delivery on special request		
82 savanna/ivory white	2196 EUC/16-82-500		
	delivery on special request		
84 davos/studio white	2193 EUC/16-84-500		
	delivery on special request		
85 manhattan/graphite	2193 EUC/16-85-500		
	delivery on special request		
89 stone/light grey	2193 EUC/16-89-500		


	Chinese and Euro American socket outlet, 10 A 1gang With screw-type terminal. Without claw. According to Chinese standard: GB 2099.1 Rated voltage: 250 V~ Rated current: 10 A		
	delivery on special request		
82 savanna/ivory white	2195 EUC/10-82-500		
	delivery on special request		
84 davos/studio white	2195 EUC/10-84-500		
	delivery on special request		
85 manhattan/graphite	2195 EUC/10-85-500		
	delivery on special request		
89 stone/light grey	2195 EUC/10-89-500		


	International socket outlet 13A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 13 A		
	delivery on special request		
82 savanna/ivory white	2197 EUC-82-500		
	delivery on special request		
84 davos/studio white	2197 EUC-84-500		
	delivery on special request		
85 brown	2197 EUC-85-500		
	delivery on special request		
89 stone/light grey	2197 EUC-89-500		


	Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A		
	delivery on special request		
82 savanna/ivory white	2196 EUC-82-500		
	delivery on special request		
84 davos/studio white	2196 EUC-84-500		
	delivery on special request		
85 manhattan/graphite	2196 EUC-85-500		
	delivery on special request		
89 stone/light grey	2196 EUC-89-500		


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20M UC-82-500	2017-0-0785	10/100
84 davos/studio white	20M UC-84-500	2017-0-0786	10/100
85 manhattan/graphite *)	20M UC-85-500	2017-0-0787	10/100
89 stone/lightgrey *)	20M UC-89-500	2017-0-0791	10/100
*) Phase-out type			


	Socket outlet *) 2) With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
82 savanna/ivory white	20M UCKS-82-500	2017-0-0806	10
84 davos/studio white	20M UCKS-84-500	2017-0-0807	10
1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection". 2) Orderboundm anufacturing			

	Cover plate For room thermostat for room thermostat 1094 U, 1097 U		
82 savanna/ivory white	1794-82	1710-0-3543	10
84 davos/studio white	1794-84	1710-0-3544	10
85 manhattan/graphite *)	1794-85	1710-0-3545	10
89 stone/lightgrey y *)	1794-89	1710-0-3549	10
*) Phase-out type			

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.		
82 savanna/ivory white	1795-82	1710-0-3568	10
84 davos/studio white	1795-84	1710-0-3569	10
85 manhattan/graphite *)	1795-85	1710-0-3570	10
89 stone/lightgrey y *)	1795-89	1710-0-3574	10
*) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
82 savanna/ivory white	1794 TA-82	1710-0-3696	10
84 davos/studio white	1794 TA-84	1710-0-3698	10
85 manhattan/graphite *)	1794 TA-85	1710-0-3699	10
89 stone/light grey *)	1794 TA-89	1710-0-3703	10
*) Phase-out type			

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
82 savanna/ivory white	1795 TA-82	1710-0-3723	10
84 davos/studio white	1795 TA-84	1710-0-3725	10
85 manhattan/graphite *)	1795 TA-85	1710-0-3726	10
89 stone/light grey *)	1795 TA-89	1710-0-3730	10
*) Phase-out type			

	WaveLINE LED display *) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite *)	6730-85	6730-0-0018	1
89 stone/light grey *)	6730-89	6730-0-0022	1

1) See labelling sheet 1799 xx.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
	84 davos/studio white	6800-84-104	6800-0-2101	1/10
	85 manhattan/graphite *)	6800-85-104	6800-0-2103	1/10
	89 stone/lightgrey *)	6800-89-104	6800-0-2157	1


1) Please order the respective flush mounted insert separately.
 *) Phase-out type

	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C			
	82 savanna/ivory white	6800-82-104M	6800-0-2100	1
	84 davos/studio white	6800-84-104M	6800-0-2102	1/10
	85 manhattan/graphite *)	6800-85-104M	6800-0-2104	1
	89 stone/lightgrey *)	6800-89-104M	6800-0-2158	1


1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Surface mounting box With base plate. Box for inserts and cover plates with cover frame.		
	1-gang box		
82 savanna/ivory white	1701-82	1799-0-0896	10
84 davos/studio white	1701-84	1799-0-0897	10/100
85 manhattan/graphite *)	1701-85	1799-0-0898	10
89 stone/light grey *)	1701-89	1799-0-0899	10
2-gang box			
82 savanna/ivory white	1702-82	1799-0-0901	10
84 davos/studio white	1702-84	1799-0-0902	10
85 manhattan/graphite *)	1702-85	1799-0-0903	10
89 stone/light grey *)	1702-89	1799-0-0904	10


*) Phase-out type

	Trunking adaptors For SM box Suitable for 1701-8x and 1702-8x. Trunking dimension: 15 x 15 mm to 19 x 19 mm.			
	82 savanna/ivory white	2087-82	1761-0-1494	10
	84 davos/studio white	2087-84	1761-0-1495	10
	85 manhattan/graphite *)	2087-85	1761-0-1496	10
	89 stone/light grey *)	2087-89	1761-0-1497	10

*) Phase-out type


	Cable entry For SM box Suitable for 1701-8x and 1702-8x.			
	82 savanna/ivory white	2088-82	1761-0-1499	10
	84 davos/studio white	2088-84	1761-0-1500	10
	85 manhattan/graphite *)	2088-85	1761-0-1501	10
	89 stone/light grey *)	2088-89	1761-0-1502	10

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame *) 1gang frame		
182 savanna/ivory white	1721-182	1754-0-4168	10/100
184 davos/studio white	1721-184	1754-0-4173	10/100
185 manhattan/graphite	1721-185	1754-0-4178	10/100
189 stone/lightgrey	1721-189	1754-0-4197	10/100

1) Suitable for installation in trunking systems with 80 mm conduit.


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame *) 5gang frame		
182 savanna/ivory white	1725-182	1754-0-4172	1
184 davos/studio white	1725-184	1754-0-4177	1
185 manhattan/graphite	1725-185	1754-0-4182	1
189 stone/light grey	1725-189	1754-0-4201	1


*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame *) 2gang frame		
182 savanna/ivory white	1722-182	1754-0-4169	10/100
184 davos/studio white	1722-184	1754-0-4174	10/100
185 manhattan/graphite	1722-185	1754-0-4179	10/100
189 stone/lightgrey	1722-189	1754-0-4198	10/100

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame *) 3gang frame		
182 savanna/ivory white	1723-182	1754-0-4170	10/100
184 davos/studio white	1723-184	1754-0-4175	10/100
185 manhattan/graphite	1723-185	1754-0-4180	10/100
189 stone/lightgrey	1723-189	1754-0-4199	10/100

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame *) 4gang frame		
182 savanna/ivory white	1724-182	1754-0-4171	1
184 davos/studio white	1724-184	1754-0-4176	1
185 manhattan/graphite	1724-185	1754-0-4181	1
189 stone/lightgrey	1724-189	1754-0-4200	1

*) Phase-out type

Timeless aestheticism



THERE ARE LANDSCAPES AND NATURAL PHENOMENA THAT FASCINATE TIME AND AGAIN. THE COLOURS AND FORMS ARE UNOBTRUSIVE AND STILL LEAVE A LASTING IMPRESSION - SOFTLY ROUNDED OR FACTUALLY SQUARE.



Reflex SI: alpine white



Reflex SI Linear: alpine white



Busch-Duro 2000® SI:
white



Busch-Duro 2000® SI
Linear: white

Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen.

Reflex SI/SI Linear Busch-Duro 2000® SI/SI Linear



2gang combination switch/socket outlet, shuttered. Switch series: Reflex SI Linear. Colour: alpine white.



Reflex SI/SI Linear

Rocker switches	198
Cover plates	199
SCHUKO® socket outlets	203
WaveLINE LED display	206
Busch Watchdog	206
Cover frame	208

Busch-Duro 2000® SI/SI Linear

Rocker switches	210
Cover plates	211
SCHUKO® socket outlets	215
WaveLINE LED display	218
Busch Watchdog	218
Cover frame	220

Different by design



Rocker switch 1gang



Rocker switch 2gang



Busch-Universal rotary dimmer



Rocker switch with neon



Busch-Memory 2gang dimmer



Busch-Comfort switch



Rocker switch control switch with red neon lens



Rocker switch 1gang with bell symbol



Busch-Info light



SCHUKO® socket outlet shuttered



Busch-Protector® SCHUKO® socket outlet with overvoltage protection



FI-SCHUKOMAT, SCHUKO® with integrated earth leakage breaker



Busch-Socket outlet with extract mechanism



SCHUKO® socket outlet with hinged lid and labeling field



WaveLINE LED display



Room thermostat with time control



Busch-AudioWorld® Intercom amplifier



Busch-AudioWorld® loudspeaker insert 2"



Movement detector



Room thermostat with display

The Busch-Duro 2000® SI/SI Linear and Reflex SI/SI Linear switch ranges are available with all kinds of inserts and control elements. With extreme ease, you can thus raise the living comfort of your customers, increase safety, or make the use of power more economical.



Stereo loudspeaker connecting box



Antenna socket for radio/TV/satellite



Satellite co-axial outlets Radio/TV 2gang



DataWorld Data communication outlet



German telephone unit



Data communication outlet

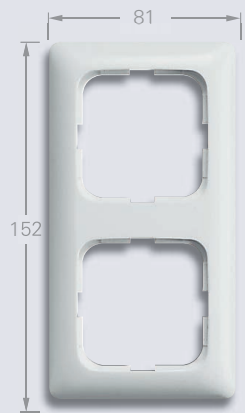
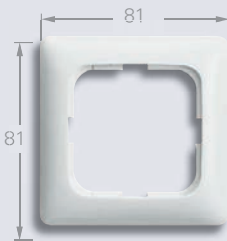



Terminal Plug-in data connection (RJ 45)




Blank plate


1 to 5 gang cover frame for horizontal and vertical installation.




Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
	With closed surface		
214 alpinewhi te	2506-214	1731-0-0876	10/100
217 red	2506-217	1731-0-1023	10
	screwable (fixing element)		
214 alpinewhi te	2546-214	1434-0-0554	10

	Braille symbol self-adhesive (transparent) for cover 2506-xxx		
	Light		
	2144 LI	1714-0-0295	100/1000
	Bell		
	2144K I	1714-0-0296	100/1000
	Key		
	2144 TR	1714-0-0297	100/1000


	Braille symbol Socket outlet self-adhesive, transparent for SCHUKO® socket outlets with hinged lid 20 EUK-xxx		
	2144S T	1714-0-0298	100/1000


	Switch rocker with closed surface 2way DP, 3-pole With neutral symbol and marking		
214 alpinewhi te	2502-214	1731-0-0884	10


	Switch rocker For flush mounted switch 2g 1w, 2g push switch		
214 alpinewhi te	2505-214	1731-0-0892	10/100
	screwable (fixing element)		
214 alpinewhi te	2545-214	1434-0-0562	10


	Switch rocker with closed surface As cover for flush-mounted cover push switch 42 V. For insert 2031 flush-mounted. Without fixing element.		
214 alpinewhi te	2506 O-214	1731-0-1403	10


	Switch rocker Control switch 2way With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.		
214 alpinewhi te	2509-214	1731-0-0900	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker As cover for flush mounted control 1g1w, DP.		
	With red neon lens and marking		
214 alpine white	2508-214	1731-0-0918	10
	screwable (fixing element)		
214 alpine white	2544-214	1434-0-0570	10


	Switch rocker with symbol mounting hole 1gang 1way, 1gang 2way, intermediate, push switch As cover for flush mounted switch 1gang, 2way, intermediate switch, pull switch and push switch.		
214 alpine white	2520-214	1731-0-0926	10/100

	Symbol for push switch For cover 2520-...		
	Reflex SI		
	without symbol		
214 alpine white	2525 N-214	1433-0-0010	100
	„Light“		
214 alpine white	2525 LI-214	1433-0-0028	100
	„Bell“		
214 alpine white	2525 KI-214	1433-0-0036	100
	„Key“		
214 alpine white	2525 TR-214	1433-0-0044	100
	red		
transparent	2525-12	1433-0-0457	100
	Symbol for push switch, transparent		
	„Light“		
clear-transparent	2145 LI	1714-0-0211	100
	„Bell“		
clear-transparent	2145 KI	1714-0-0229	100
	„Key“		
clear-transparent	2145 TR	1714-0-0237	100
	red		
transparent	2145-12	1714-0-0245	100
	without symbol		
clear-transparent	2145 N	1714-0-0203	100


	Switch rocker With symbol For flush mounted push switch.		
	Light		
214 alpine white	2520 LI-214	1731-0-0934	10/100
	Bell		
214 alpine white	2520 KI-214	1731-0-0942	10
	Key		
214 alpine white	2520 TR-214	1731-0-0959	10

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker ¹⁾ ²⁾ ³⁾ With label area Size of labelling field: 57 x 11 mm. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Illuminable.		
214 alpinewhi te	2506N-214	1731-0-0520	10


- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

	Switch rocker ¹⁾ ²⁾ With label area With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.		
214 alpinewhi te	2510NLI-214	1731-0-1452	10

- 1) See labelling sheet 1799 xx.
- 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.

	Switch rocker ¹⁾ ²⁾ ³⁾ ⁴⁾ Illuminable, with labelling field For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 25 x 37 mm.		
214 alpinewhi te	2510N-214	1731-0-0751	10

- 1) Large labelling field for names, symbols, instructions. Easy mounting due to insertion of label from therearsi de.
- 2) 40 different type styles are enclosed with the covers
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.
- 4) See labelling sheet 1799 xx.

	Switch rocker ¹⁾ ²⁾ ³⁾ With label area With bell symbol For flush mounted push switch. Size of labelling field: 51 x 10 mm.		
214 alpinewhi te	2506N/ KI-214	1731-0-0538	10


- 1) The labels are clamped under the labelling field.
- 2) See labelling sheet 1799 xx.
- 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.


	Control element ¹⁾ ²⁾ ³⁾ With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
214 alpinewhi te	6543-214-102	6599-0-2816	1/10

- 1) Compatible with previous type 6543-xxx.
- 2) Touch-type Controller 6550 U-xxx non-illuminable.
- 3) Replacement neon lamp 3857.

	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
214 alpinewhi te	6545-214	6599-0-2889	1/10

- 1) Replacement neon lamp 3857.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
214 alpine white	2114-214	6599-0-0195	10


	Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
214 alpine white	2115-214	6599-0-0237	10/100


- 1) Replacement neon lamp, Art. No. 3855.









	Busch-Comfort switch control element ¹⁾ With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
214 alpine white	6815-214	6800-0-2272	1/10

- 1) Please order the respective flush mounted insert separately.

	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
214 alpine white	2504-214	1713-0-0163	10/100

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
214 alpine white	2542 DR-214	1753-0-2264	10

	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.		
214 alpine white	2542 DR/01-214	1710-0-3109	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.		
214 alpinewhi te	2542 DR/02-214	1710-0-3420	10
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
214 alpinewhi te	2557 PZ-214-101	1710-0-1415	10
	Cover plate With marking As cover for flush-mounted key switch. For insert 2733 USL-101.		
214 alpinewhi te	2557 SLPZ-214-101	1710-0-1456	10
	Cover plate For Memory control element 6457.		
214 alpinewhi te	1773J A-214	1724-0-2299	10
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
214 alpinewhi te	6430-214-102	6430-0-0314	1/10
	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
214 alpinewhi te	1775S /W-214-101	1710-0-3123	10
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
214 alpinewhi te	6435-214	6430-0-0286	10/100
	Cover plate For Busch-Short-time timer insert 6465 U.		
214 alpinewhi te	1773-214	1724-0-2117	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
214 alpine white	1773/10-214	1724-0-2554	10/100
	Cover plate With rotary knob, with marking. For Busch Timer insert 1070 U. Running time: 15 min		
214 alpine white	1770-214-102	1753-0-6158	10
	Cover plate With rotary knob, with marking. For Busch Timer insert 1071 U. Running time: 120 min		
214 alpine white	1771-214-102	1753-0-6307	10
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
214 alpine white	2562-214	1731-0-1920	1
	Cap For indication lamp As cover for flush-mounted light signal. For insert 2061/2661 U. Transparent		
clear-transparent	2526-11	1512-0-0193	10
red	2526-12	1512-0-0201	10
green	2526-13	1512-0-0219	10
orange	2526-14	1512-0-0227	10
	Blank plate With metal mounting plate		
214 alpine white	2538-214	1715-0-0275	10/100
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).		
214 alpine white	2527-214	1710-0-0110	10

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.

1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.

214 alpinewhi te	1803-214	1753-0-8394	10
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Cover plate 2gang
As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.

214 alpinewhi te	1803-02-214	1753-0-8402	10
215 black	1803-02-215	1753-0-9111	10



Cover plate
For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert
For loudspeaker connection box
Suitable for Art. No. 0247 and 0248.
For data modules.
Suitable for Art. No. 0219/12 and 0219/13.
For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

214 alpinewhi te	2539-214	1724-0-0913	10/100
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Cover plate With metal mounting plate
loudspeaker inserts and cover. fixing claws
Conductor cross-sections up to 4 mm² rigid. With screw-type terminal.

214 alpinewhi te	2147 U-214	1723-0-0162	10
215 black	2147U-215	1723-0-0170	10



Cover plate ^{1) 2)} Socket outlet
Quante telephone socket (TDO)

214 alpinewhi te	1762-214-506	1724-0-1705	10/100
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- 1) Suitable insert: TDO 3x 10 OUP (for 1 telephone and 2 auxiliary devices).
- 2) Fig.s imilar.



Cover plate
As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.

214 alpinewhi te	2536-214	1724-0-0921	10
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Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.

214 alpine white	2535-214	1724-0-0905	10
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Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets.
With 2 connectors
DIN 45330.
with M3 fixing screw.

214 alpine white	2531-214	1724-0-0897	10/100
215 black	2531-215	1724-0-1200	10

- 1) See inserts for satellite coaxial socket outlets.



Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets.
With 3 connectors.
Radio/TV/SAT.
with M3 fixing screw.

214 alpine white	1743-03-214	1724-0-1754	10/100
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- 1) See inserts for satellite coaxial socket outlets.



Cover plate ^{1) 2)} 50 x 50 mm,
As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann.
Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.

214 alpine white	1743-04-214	1753-0-8642	10
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- 1) See adapter ring 1746/10x.
- 2) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, Busch-*axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.



Cover plate ^{1) 2)} 50 x 50 mm,
As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro.
Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.

214 alpine white	1743/10-04-214	1753-0-8659	10
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- 1) See adapter ring 1746/10x.
- 2) Compatible with ranges Reflex SI: Colour 214, *alpha nea*[®], *alpha exclusive*[®]: Colour 24G, Busch-*axcent*[®], *future*[®], *future*[®] linear, *carat*[®]: Colour 84 and *impuls*: Colour 74.




Cover plate ¹⁾ With label area
With down-leading outlet.
For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16.
Size of labelling field: 41.5 x 10 mm.
Without claw.

214 alpine white	1801-214	1753-0-8162	10
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- 1) Lettering sheets 1799, 1799 05 and lettering software.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} With label area With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LVL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
214 alpinewhi te	1802-214	1753-0-8188	10

1) Lettering sheets 1799, 1799 05 and lettering software.
2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873, 025-1099-1W (white), IBM 58 G 6965, IBM MiniC Clips, 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)

	Cover plate ¹⁾ With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 41.5 x 10 mm.		
214 alpinewhi te	1800-214	1753-0-8030	10/100


1) Lettering sheets 1799, 1799 05 and lettering software.

	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
214 alpinewhi te	2561-214	1753-0-3833	10/100

	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
214 alpinewhi te	2561-02-214	1753-0-3965	10


	Intermediate ring For using round combi-devices (45 mm diameter) in cover frame.		
214 alpinewhi te	2519-214	1726-0-0025	10

	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
214 alpinewhi te	1746-214-101	1726-0-0181	10/100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ¹⁾ With label area With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
214 alpine white	1769-214	1753-0-8790	10


1) Labelling sheets 1799, 1799 02 and labelling software.


	Cover plate With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
214 alpine white	2549-214	1724-0-0962	10


	XLR centre plate ¹⁾ As cover for Neutrik data connectors, type FP. Without claw.		
214 alpine white	2553-214	1724-0-1127	10

1) See 2553-xxx.


	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
214 alpine white	2530-214	1724-0-1119	10


	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
214 alpine white	2529-214	1710-0-1076	10


	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
214 alpine white	2095 UC-214	2495-0-0059	10/100


	Cover plate With metal mounting plate With screw-type terminal. As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037. Without claw.		
214 alpine white	2534-214	1724-0-1168	10


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.</p>	214 alpinewhi te yellow	2533-214 2533-214-15	1724-0-1150 1724-0-2696	10 10/100


 <p>Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.</p>	214 alpinewhi te	1758-214	1724-0-1663	10/100
	<p>1) Labelling sheets 1799,1799 02,1799 19 and labelling software.</p>			


 <p>SCHUKO[®] socket outlet ^{1) 2)} With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A</p>	214 alpinewhi te 217 red	20E UC-214 20EUC -217	2011-0-1888 2011-0-2027	10/100 10/100
	<p>1) Terminals suitable for loop through connection. 2) SCHUKO[®] socket outlet with orange/green cover (SV/ZSV), see Section Busch-Duro 2000[®] SI.</p>			


 <p>SCHUKO[®] socket outlet ¹⁾ with round supporting frame With screwless terminal. 2 P + E For trunking. Rated voltage: 250 V~ Rated current: 16 A</p>	214 alpinewhi te 217 red	20EUC RD-214 20EUC RD-217	2011-0-2183 2011-0-2217	10 10
	<p>1) Terminals suitable for loop through connection.</p>			












 <p>SCHUKO[®] socket outlet ^{1) 2)} Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A</p>	214 alpinewhi te 215 black 217 red	20E UCKS-214 20EUC KS-215 20EUC KS-217	2013-0-4656 2013-0-4706 2013-0-4722	10/100 10/100 10
	<p>1) Terminals suitable for loop through connection. 2) Increasedshock kprotecti on.</p>			


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Busch-Protector[®] SCHUKO[®] socket outlet ¹⁾ With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO[®] socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A</p>	214 alpine white 217 red	2310EUGL/VA- 214-11 2310EUGL/VA- 217-11	2011-0-3817 2011-0-3818	1/10 1/10
	<p>1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.</p>			

 <p>Busch-Socket outlet ¹⁾ With screwless terminal. 2 P + E With extract mechanism. Tested by the society, Gesellschaft für Gerontotechnik. Rated voltage: 250 V~ Rated current: 16 A</p>	214 alpine white	20 EUCDR-214	2011-0-2605	10
	<p>1) Terminals suitable for loop through connection.</p>			


 <p>FI-SCHUKOMAT, SCHUKO[®] socket outlet (RCD) ^{1) 2) 3)} With integrated earth leakage breaker. With integrated earth leakage breaker. Shuttered. Flush-mounted SCHUKOMAT, VDE 0664. DP cut off (P/N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C</p>	214 alpine white	3118 EUCKS-214	3116-0-0605	1
	<p>1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example. 3) Increased shock protection .</p>			

 <p>FI-SCHUKOMAT, SCHUKO[®] socket outlet (RCD) ^{1) 2) 3)} With integrated earth leakage breaker. Shuttered. DP cut off (P/N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C</p>	214 alpine white	3120 EUCKS-214	3116-0-0621	1
	<p>1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example. 3) Increased shock protection .</p>			


Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty	
	Buschmat FI - Insert^{1) 2)} With earth leakage breaker with connecting conductor. With earth leakage breaker with connecting conductor. Protection of downstream consumers. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C				SCHUKO® socket outlet^{1) 2)} With hinged lid. With screwless terminal. 2 P + E Hinged lid notches when opened. Rated voltage: 250 V~ Rated current: 16 A			
214 alpinewhi te	3150UC -214	3117-0-0002	1	214 alpine white	20 EUK-214	2018-0-0778	10/100	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.				1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				
	SCHUKO® socket outlet^{1) 2)} With control light with LED, 2 P + E Rated voltage: 250 V~ Rated current: 16 A				SCHUKO® socket outlet^{1) 2)} With hinged lid and labelling field With screwless terminal. 2 P + E Hinged lid notches when opened. Size of labelling field: 51 x 10 mm. Rated voltage: 250 V~ Rated current: 16 A			
214 alpinewhi te	20EUC GL-214	2011-0-3859	10	214 alpine white	20 EUKN-214	2018-0-0885	10	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) See labelling sheet 1799 xx.				
	SCHUKO® socket outlet^{1) 2)} With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A				SCHUKO® socket outlet With hinged lid. With screwless terminal. 2 P + E With different lock mechanism. Delivery includes 2 keys. Rated voltage: 250 V~ Rated current: 16 A			
214 alpinewhi te	20E UCBL-214	2013-0-5281	10	214 alpine white	20 EUKSL-214	2018-0-1289	10	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.				1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				
	SCHUKO® socket outlet Busch-steplight®^{1) 2)} Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A				SCHUKO® socket outlet With hinged lid. With screwless terminal. 2 P + E With evenly engaging lock. Delivery includes 2 keys. Rated voltage: 250 V~ Rated current: 16 A			
214 alpinewhi te	20EUC BLI-214	2013-0-5291	1	214 alpine white	20 EUKSL-214-101	2018-0-1479	10	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.				1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				
	Busch-Object socket outlet®^{1) 2)} With screw-on supporting frame. Complete cover. With screwless terminal. 2 P + E Incl. Cover plate with extract mechanism. Rated voltage: 250 V~ Rated current: 16 A				SCHUKO® socket outlet¹⁾ With marking „EDV“ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A			
214 alpinewhi te	20EU A-214	2011-0-3629	10	214 alpine white	20 EUC/DV-214	2011-0-3074	10/100	
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Separat installationnol ypos sible.				With coloured base 217 red 20 EUC/DV-217 2011-0-2167 10/100				
				1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.				
	SCHUKO® socket outlet^{1) 2) 3)} With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A			214 alpine white	20 EUCQ-214	2011-0-2829	10	
214 alpine white	20 EUCQ-214	2011-0-2829	10	217 red	20 EUCQ-217	2011-0-2852	10	
1) Can only be used in SI frames with adapter 1746-.... 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 3) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch-Duro 2000® SI.								

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) With marking „EDV“ With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
214 alpinewhi te	20E UCQ/DV-214	2011-0-2902	10
217 red	20EUC Q/DV-217	2011-0-2886	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Can only be used in SI frames with adapter 1746-....

	Busch Nema socket outlet with cover plate 1) For wall box 58 mm with screw fixation Without claw. Rated voltage: 125 V~ Rated current: 15 A		
214 alpinewhi te	3015EUC -214	2125-0-0052	10
	2-pole (2 P + E), 15 A		
214 alpinewhi te	3016EUC -214-101	2122-0-0030	10/100
	2-pole (2 P + E), 20 A		

1) Use in accordance with US Standard (e.g. in US military barracks).

	Busch Nema socket outlet with cover plate 1) DP (2 P + E) With hinged lid. For wall box 58 mm with screw fixation Without claw. Rated voltage: 125 V~ Rated current: 20 A		
214 alpinewhi te	3016EUC -214	2122-0-0032	10

1) Use in accordance with US Standard (e.g. in US military barracks).

	Socket outlet With earthing pin With screwless terminal. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpinewhi te	20M UC-214-500	2017-0-0810	10/100
217 red	20M UC-217-500	2017-0-0812	10


	Socket outlet 1) 2) With earthing pin With screwless terminal. Shuttered. Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpinewhi te	20 MUCKS-214-500	2017-0-0834	10


1) Socket outlet with integrated child protection. Replaces the usual term: "...with child protection".
2) Order-bound manufacturing

	Socket outlet 1) With earthing pin With screw-type terminal. Shuttered. Suitable for the countries: Belgium, Poland, Czech Republic. 2 P + E Rated voltage: 250 V~		
214 alpinewhi te	23 MUCKS-214-500	2017-0-0839	10

1) Increased shock protection.


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet With earthing pin With screwless terminal. with hinged lid Suitable for the countries: Poland, Czech Republic. 2 P + E Rated voltage: 250 V~		
214 alpine white	20 MUCKD-214-500	2017-0-0771	10/100


	Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
214 alpine white	20 MUC-214-500	2017-0-0827	10/100






	Fan Switch 1 pole, without zero position Rated voltage: 250 V~ Rated current: 10 AX		
214 alpine white	2711 UCDRL-214	1164-0-0144	10

	Cover plate For room thermostat with break contact for room thermostat 1094 U, 1097 U		
214 alpine white	1794-214	1710-0-3531	10/100

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction for room thermostat 1095 U, 1096 U		
214 alpine white	1795-214	1710-0-3556	10

	Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA		
214 alpine white	1794 TA-214	1710-0-3683	10/100

	Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA		
214 alpine white	1795 TA-214	1710-0-3710	10

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display ^{1) 2)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx.100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 54 mm x 54 mm				Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
214 alpinewhi te	6730-214	6730-0-0002	1	214 alpine white	6800-214-104	6800-0-2067	1/10
1) See labelling sheet 1799 xx. 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.				1) Please order the respective flush mounted insert separately.			
	Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 80 sec. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C				Busch-Watchdog 180 flush mounted comfort sensor II ¹⁾ With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
214 alpinewhi te	6810-214-101-500	6800-0-2163	1	214 alpine white	6800-214-104M	6800-0-2083	1/10
1) Please order the respective flush mounted insert separately.				1) installation: slide switch top. 2) Please order the respective flush mounted insert separately.			
					Surface mounting box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.		
				1-gang box			
				214 alpine white	1701-214	1799-0-0295	10/100
				217 red	1701-217	1799-0-0329	10
				2-gang box			
				214 alpine white	1702-214	1799-0-0345	10
				217 red	1702-217	1799-0-0378	10
				3-gang box			
				214 alpine white	1703-214	1799-0-0394	1/10

Product	Article-No.	Order-No.	Pack/Qty
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**Trunking adaptors
For SM box**
Suitable for 1701-.../1702-... and 1703-...
Material: Desmopan.
Trunking dimension: 15 x 15 mm to 19 x 19 mm.

214 alpinewhi te	2087-214	1761-0-1236	10
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**Cable entry
For SM box**
Suitable for 1701-.../1702-... and 1703-...
Material: Desmopan.

214 alpinewhi te	2088-214	1761-0-1301	10
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**Cover 1)
With rotary knob, with indication lamp**
For Busch-Dimmer®.
For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.

214 alpinewhi te	2115J- 214	6599-0-0229	10
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1) Replacement neon lamp, Art. No. 3855.



**Cover plate
With rotary control, with marking**
As cover for flush mounted blind control switch/push switch.
for inserts 2712 U, 2713 U and 2722 U, 2723 U.

214 alpinewhi te	2542 JDR-214	1753-0-2462	10
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SCHUKO® socket outlets 1)
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

214 alpinewhi te	20EUJ-214	2011-0-1896	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1) 2)
Shuttered**
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

214 alpinewhi te	20E UJKS-214	2013-0-4664	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increasedshoc kprotecti on.



**SCHUKO® socket outlet 1) 2)
With screw-on mounting plate**
2 P + E
Complete unit in SI design
screw-on mounting plate 90 x 90 mm
Rated voltage: 250 V~
Rated current: 16 A

214 alpinewhi te	20E UJSR-214	2011-0-3132	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Separati nstallationonl ypossib le.

Product	Article-No.	Order-No.	Pack/Qty
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Double SCHUKO® socket outlets 1)
With screwless terminal.
2 P + E
Suitable for commercially available flush-mounted boxes.
Rated voltage: 250 V~
Rated current: 16 A

214 alpine white	20-02 EUJ-214	2014-0-1007	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**Double SCHUKO® socket outlets 1) 2)
Shuttered**
With screwless terminal.
2 P + E
Suitable for commercially available flush-mounted boxes.
Rated voltage: 250 V~
Rated current: 16 A

214 alpine white	20-02 EUJKS-214	2021-0-0343	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection .



**Combination 1)
SCHUKO® socket outlet, with rocker switch**
2 P + E
Rocker Switch 10 A, 250 V.
1gang, 2way
Rated voltage: 250 V~
Rated current: 16 A


214 alpine white	4310/6 EUJ-214	1611-0-0169	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.




**Pull switch 1
1gang 2way**
with screw-type terminals,
Rated voltage: 250 V~
Rated current: 10 AX


214 alpine white	2610/6 UJ-214	1315-0-0027	10
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Product	Article-No.	Order-No.	Pack/Qty	
	Cover frame For vertical or horizontal installation.			
	1gang frame			
	214 alpinewhi te 217 red	2511-214 2511-217	1725-0-0928 1725-0-1058	10/100 10
	2gang frame			
	214 alpinewhi te 217 red	2512-214 2512-217	1725-0-0936 1725-0-1082	10/100 10
	3gang frame			
214 alpinewhi te	2513-214	1725-0-0944	10/100	
4gang frame				
214 alpinewhi te	2514-214	1725-0-0951	10/100	
5gang frame				
214 alpinewhi te	2515-214	1725-0-0969	10	


	Cover frame 1gang frame With marking „Heizung-Notschalter“ For vertical or horizontal installation.		
	214 alpinewhi te	2511JH -214	1725-0-1009 10

	Cover frame ^{1) 2)} 1gang frame With labelling field and label holder.		
	214 alpinewhi te	1721NS -214	1754-0-2155 10/100

1) See labelling sheet 1799 xx.
2) See abelhol der.


	Cover frame ^{1) 2)} With labelling field and label holder. Vertical.		
	2gang frame		
	214 alpinewhi te	1722NS -214	1754-0-2163 10
3gang frame			
214 alpinewhi te	1723NS -214	1754-0-3724 10	


1) See labelling sheet 1799 xx.
2) See abelhol der.


	Cover frame ^{1) 2)} With labelling field and label holder. Horizontal		
	2gang frame		
	214 alpinewhi te	1732NS -214	1754-0-2171 10
3gang frame			
214 alpinewhi te	1733NS -214	1754-0-3732 10	

1) See labelling sheet 1799 xx.
2) See abelhol der.


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame With hinged lid.		
	214 alpine white	2518-214	1719-0-0061 10

	Label holder For replacement purposes For outer edge of frame.		
		1761	1799-0-0154 10
		1760	1799-0-0162 10


Product	Article-No.	Order-No.	Pack/Qty
	Reflex SI Linear Frames With small corner radii for trunking systems.		
	1gang frame		
214 alpinewhi te	2511-214K-102	1725-0-1494	10/100
217 red	2511-217K-102	1725-0-1499	10
2gangframe			
214 alpinewhi te	2512-214K-102	1725-0-1495	10/100
217 red	2512-217K-102	1725-0-1500	10
3gangframe			
214 alpinewhi te	2513-214K-102	1725-0-1496	10/100
4gangframe			
214 alpinewhi te	2514-214K-102	1725-0-1497	10
5gangframe			
214 alpinewhi te	2515-214K-102	1725-0-1498	10

	Reflex SI Linear cover frame ¹⁾ ²⁾ 1gang frame With labelling field and label holder.		
	214 alpinewhi te		
	1721NS KA-214	1754-0-4058	10

1) See labelling sheet 1799 xx.
2) Seel abelhol der.














	Cover frame ¹⁾ ²⁾ With labelling field and label holder. Vertical.		
	2gang frame		
214 alpinewhi te	1722NS KA-214	1754-0-4059	10
3gang frame			
214 alpinewhi te	1723NS KA-214	1754-0-4061	10
4gang frame			
214 alpinewhi te	1724NS KA-214	1754-0-4063	1


1) See labelling sheet 1799 xx.
2) Seel abelhol der.


	Cover frame ¹⁾ ²⁾ With labelling field and label holder. Horizontal		
	2gang frame		
214 alpinewhi te	1732NS KA-214	1754-0-4060	10
3gang frame			
214 alpinewhi te	1733NS KA-214	1754-0-4062	10
4gang frame			
214 alpinewhi te	1734NS KA-214	1754-0-4064	1


1) See labelling sheet 1799 xx.
2) Seel abelhol der.




Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With closed surface For flush mounted switch 1g1w, 1g2w, intermediate, push switch.				Switch rocker screwable (fixing element) For flush mounted switch 2g 1w, 2g push switch		
212 white	2506-212	1731-0-0223	10/100	212 white	2545-212	1434-0-0430	10
	Braille symbol self-adhesive (transparent) for cover 2506-xxx				Switch rocker with neutral symbol screwable (fixing element) with marking. As cover for flush mounted switch 1g1w DP and 3pole with neon lens and marking „I O“		
Light 2144 LI	1714-0-0295	100/1000		212 white	2544-212	1434-0-0455	10
Bell 2144K I	1714-0-0296	100/1000					
Key 2144 TR	1714-0-0297	100/1000					
	Braille symbol Socket outlet self-adhesive, transparent for SCHUKO® socket outlets with hinged lid 20 EUK-xxx				Switch rocker with closed surface As cover for flush-mounted cover push switch 42 V. For insert 2031 flush-mounted. Without fixing element.		
2144S T	1714-0-0298	100/1000		212 white	2506 O-212	1731-0-1395	10
	Switch rocker with closed surface 2way DP, 3-pole with marking.				Switch rocker with symbol mounting hole 1) 1gang 1way, 1gang 2way, intermediate, push switch As cover for flush mounted switch 1gang,2way, intermediate switch, pull switch and push switch.		
212 white	2502-212-500	1731-0-0330	10	212 white	2520-212-506	1731-0-0413	10/100
				1) für Symbole 2525... und 2145...			
	Switch rocker For flush mounted switch 2g 1w, 2g push switch				Symbol for push switch For cover 2520-... For SM switch button 2601 For SM push button 2601 For switch 2006... and push switch 2026...		
212 white	2505-212-500	1731-0-0363	10/100	212 white	without symbol 2525 N	1433-0-0416	100
	Switch rocker Control switch 2way With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch.			212 white	„Light“ 2525 LI	1433-0-0424	100
212 white	2509-212-500	1731-0-0355	10/100	212 white	„Bell“ 2525 KI	1433-0-0432	100
	Switch rocker With red neon lens and marking As cover for flush mounted control 1g1w, DP.			212 white	„Key“ 2525 TR	1433-0-0440	100
212 white	2508-212	1731-0-0249	10	transparent	red 2525-12	1433-0-0457	100
	Switch rocker with neutral symbol screwable (fixing element) For flush mounted switch 1g1w, 1g2w, intermediate, push switch.			clear-transparent	Symbol for push switch, transparent „Light“ 2145 LI	1714-0-0211	100
212 white	2546-212	1434-0-0448	10	clear-transparent	„Bell“ 2145 KI	1714-0-0229	100
				clear-transparent	„Key“ 2145 TR	1714-0-0237	100
				transparent	red 2145-12	1714-0-0245	100
				clear-transparent	without symbol 2145 N	1714-0-0203	100

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol For flush mounted push switch.		
	Light		
212 white	2520 LI-212	1731-0-0272	10/100
212 white	Bell 2520K I-212	1731-0-0280	10/100
212 white	Key 2520 TR-212	1731-0-0298	10/100


	Switch rocker 1) 2) 3) With label area For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm. Illuminable.		
212 white	2506N-212	1731-0-0561	10/100
1) The labels are clamped under the labelling field. 2) See labelling sheet 1799 xx. 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.			


	Switch rocker 1) 2) With label area With pilot lamp for uniform illumination of the labelling field. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 51 x 10 mm.		
212 white	2510NLI-212	1731-0-1445	10
1) See labelling sheet 1799 xx. 2) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.			

	Switch rocker 1) 2) 3) With label area With bell symbol For flush mounted push switch. Size of labelling field: 51 x 10 mm.		
212 white	2506N/ KI-212	1731-0-0629	10/100
1) The labels are clamped under the labelling field. 2) See labelling sheet 1799 xx. 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts.			


	Switch rocker 1) 2) 3) 4) Illuminable, with labelling field For flush mounted switch 1g1w, 1g2w, intermediate, push switch. Size of labelling field: 25 x 37 mm.		
212 white	2510N-212-50 0	1731-0-0405	10
1) Large labelling field for names, symbols, instructions. Easy mounting due to insertion of label from therearsi de. 2) 40 different type styles are enclosed with the covers 3) Illumination using neon lamp 8353 or incandescent lamp 8344-1 and LED inserts. 4) See labelling sheet 1799 xx.			

	Cover plate For insert 2200 UJ-212. Für Einsatz des Drehdimmers in Kombination.		
212 white	2110C -212	1717-0-0065	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
212 white	2115 J-212	6599-0-1326	10
1) Replacement neon lamp, Art. No. 3855.			









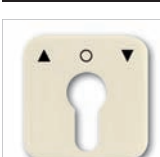






	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
212 white	6543-212-102	6599-0-2815	1/10
1) Compatible with previous type 6543-xxx. 2) Touch-type Controller 6550 U-xxx non-illuminable. 3) Replacement neon lamp 3857.			

	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
212 white	6545-212	6599-0-2888	1/10
1) Replacement neon lamp 3857.			

	Cover plate 1) With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.		
212 white	2115-212	6599-0-1334	10/100
1) Replacement neon lamp, Art. No. 3855.			


	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01.		
212 white	2114-212	6599-0-1193	10

	Busch-Comfort switch control element 1) With neon lamp. For 2-wire insert 6815 U. For relay insert 6816 U. Adjustable operating mode: semiautomatic mode, automatic switch-on, manual switch-off. Adjustable operating mode: automatic timer, manual switch-on, automatic (timer and motion-controlled) switch-off. Adjustable operating mode: automatic mode, automatic (motion-controlled) switch-on and switch-off. Push switch function possible at all times. Switch-off delay: 1 to 10 min., adjustable. Surveillance density: 9 sectors with 28 switching segments. Detection range: frontal: 5 m, lateral: 3 m Detection angle: 170 ° Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
212 white	6815-212	6800-0-2271	1/10
1) Please order the respective flush mounted insert separately.			

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.				Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x.		
212 white	2504-212	1713-0-0155	10/100	212 white	1775 S/W-212-101	1710-0-3122	10
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.				Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
212 white	2542 DR-212	1753-0-0599	10	212 white	6435-212	6430-0-0285	10/100
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. With zero position. for insert 2710 U.				Cover plate For Busch-Short-time timer insert 6465 U.		
212 white	2542 DR/01-212	1710-0-3108	10	212 white	1773-212	1753-0-1886	10
	Cover plate With rotary control, with marking As cover for flush mounted three-step rotary switch. without zero position. for Insert 2710/1 U.				Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated.		
212 white	2542 DR/02-212	1710-0-3419	10	212 white	1773/10-212	1724-0-2547	10
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.				Cover plate With rotary knob, with marking. For Busch Timer insert 1070 U. Running time: 15 min		
212 white	2557 PZ-212-101	1710-0-1332	10	212 white	1770-212-102	1753-0-6059	10
	Cover plate With marking As cover for flush-mounted key switch. For insert 2733 USL-101.				Cover plate With rotary knob, with marking. For Busch Timer insert 1071 U. Running time: 120 min		
212 white	2557 SLPZ-212-101	1710-0-1340	10	212 white	1771-212-102	1753-0-6208	10
	Cover plate For Memory control element 6457.				Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
212 white	1773J A-212	1724-0-2281	10	212 white	2562-212	1731-0-1919	1
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.						
212 white	6430-212-102	6430-0-0313	1/10				


1) Included with the cover are 46 different text labels and symbols.


2) See labelling sheet 1799 xx.


Product	Article-No.	Order-No.	Pack/Qty	
 <p>Cap For indication lamp As cover for flush-mounted light signal. For insert 2061/2661 U. Transparent</p>	clear-transparent	2526-11	1512-0-0193	10
	red	2526-12	1512-0-0201	10
	green	2526-13	1512-0-0219	10
	orange	2526-14	1512-0-0227	10

 <p>Blank plate With metal mounting plate</p>	212 white	2538-212	1715-0-0218	10/100
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 <p>Cover plate ¹⁾ With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).</p>	212 white	2527-212	1710-0-0623	10
	1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).			

 <p>Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.</p>	212 white	1803-212	1753-0-8949	10
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 <p>Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.</p>	212 white	1803-02-212	1753-0-8956	10
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 <p>Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).</p>	212 white	2539-212	1724-0-0434	10/100
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 <p>Cover plate With metal mounting plate loudspeaker inserts and cover. fixing claws Conductor cross-sections up to 4 mm² rigid. With screw-type terminal.</p>	212 white	2147 U-212	1723-0-0063	10
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 <p>Cover plate ^{1) 2)} Socket outlet Quante telephone socket (TDO)</p>	212 white	1762-212-506	1724-0-0269	10/100
	1) Suitable insert: TDO 3x 10 OUP (for 1 telephone and 2 auxiliary devices). 2) Fig. similar.			







 <p>Standard cover plate ¹⁾ 50 x 50 mm, For Quante telephone socket (TDO). Usable only in combination with adapter ring without hinged lid Art. No. 1746-212-101, 1746/10-22G and adapter ring with hinged lid Art. No. 1746-2x-101.</p>	212 white	1759-506	1724-0-0426	10
	1) See Adapter rings for 50 x 50 mm covers.			






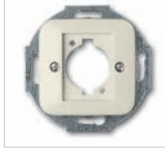

 <p>Cover plate As cover for telephone connector boxes (VDo). can be knocked out for single or double connection.</p>	212 white	2536-212	1724-0-0244	10
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 <p>Cover plate Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.</p>	212 white	2535-212	1724-0-0236	10
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 <p>Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.</p>	212 white	2531-212	1724-0-0194	10/100
	1) See inserts for satellite coaxial socket outlets.			

 <p>Cover plate ¹⁾ As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.</p>	212 white	1743-03-212	1724-0-1747	10/100
	1) See inserts for satellite coaxial socket outlets.			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
212 white	1743-04-212	1753-0-8626	10
1) Seeadapterri ng1 746/10x. 2) Suitable for programs Busch-Duro 2000® SI: -212, <i>alpha nea®</i> , <i>alpha exclusive®</i> : -22G, future®, future® linear, carat®: -82, impuls: -72.			
	Cover plate 1) 2) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
212 white	1743/10-04-212	1753-0-8634	10
1) Seeadapterri ng1 746/10x. 2) Suitable for programs Busch-Duro 2000® SI: -212, <i>alpha nea®</i> , <i>alpha exclusive®</i> : -22G, future®, future® linear, carat®: -82, impuls: -72.			
	Cover plate 1) With label area With down-leading outlet. For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
212 white	1801-212	1753-0-8154	10
1) Lettering sheets 1799, 1799 05 and lettering software.			
	Cover plate 1) 2) With label area With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LVVL ST and SMA, NEVADA WESTERN/ OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for Lex-Com connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
212 white	1802-212	1753-0-8170	10
1) Lettering sheets 1799, 1799 05 and lettering software. 2) Thomas & Betts Clips 025-1099-1BK (black), IBM 58 G 6873, 025-1099-1W (white), IBM 58 G 6965, BM MiniC Clips, 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)			
	Cover plate 1) With label area For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 41.5 x 10 mm.		
212 white	1800-212	1753-0-8022	10/100
1) Lettering sheets 1799, 1799 05 and lettering software.			
	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
212 white	2561-212	1753-0-3825	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
212 white	2561-02-212	1753-0-3957	10/100
	Intermediate ring For using round combi-devices (45 mm diameter) in cover frame.		
212 white	2519-212	1726-0-0066	10
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
212 white	1746-212-101	1726-0-0173	10/100
	Cover plate 1) With label area With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
212 white	1769-212	1753-0-8782	10
1) Labelling sheets 1799, 1799 02 and labelling software.			
	Cover plate 1) With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
212 white	2549-212	1724-0-0616	10
1) Suitable for data connector 0202.			
	XLR centre plate 1) As cover for Neutrik data connectors, type FP. Without claw.		
212 white	2553-212	1724-0-0624	10
1) See 2553-xxx.			
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M. 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
212 white	2530-212	1724-0-0186	10

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With metal mounting plate**
As cover for BNC and TNC sockets.
Knock-out openings 6, 8, 18 mm.

212 white	2529-212	1710-0-0698	10
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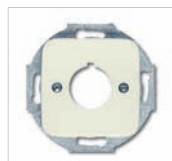
**Equipotential socket outlet
2gang**
Without claw.
For connecting wires up to 1 x 6 mm² and 4 x 2.5 mm².
IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007
Connection bolts German Standard DIN 42801.

212 white	2095 UC-212	2495-0-0026	10
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**Cover plate
With metal mounting plate**
With screw-type terminal.
As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037.
Without claw.

212 white	2534-212	1724-0-0228	10
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**Cover plate
With metal mounting plate**
With screw-type terminal.
Fixed with central locknut.
As cover for pilot devices with a diameter of 22.5 mm
Without claw.

212 white	2533-212	1724-0-0210	10
yellow	2533-214-15	1724-0-2696	10/100



**Cover plate 1)
With metal mounting plate**
for communication devices.
with labelling field 53.7 x 11.7 mm.
Without claw.

212 white	1758-212	1724-0-1002	10/100
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1) Labelling sheets 1799,1799 02,1799 19 and labelling software.



SCHUKO® socket outlet 1)
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

212 white	20EUC -212-500	2011-0-2647	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1) 2)
Shuttered**
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

212 white	20E UCKS-212	2013-0-4375	10/100
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Increased shock protection.

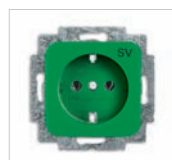
Product	Article-No.	Order-No.	Pack/Qty
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**SCHUKO® socket outlet 1)
with round supporting frame**
With screwless terminal.
2 P + E
For trunking.
Rated voltage: 250 V~
Rated current: 16 A

212 white	20 EUCRD-212	2011-0-1342	10/100
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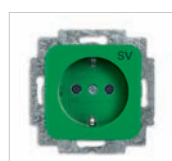
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1)
With screwless terminal.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

green (SV) RAL 6018	20 EUC-13-212	2011-0-1326	10/100
orange (ZSV) RAL 2004	20 EUC-14-212	2011-0-1334	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet 1)
with marking**
With screwless terminal.
2 P + E
With continuous coloured marking of cover plate and base.
Rated voltage: 250 V~
Rated current: 16 A

green (SV) RAL 6018	20 EUC-13-212-102	2011-0-2225	10/100
orange (ZSV) RAL 2004	20 EUC-14-212-102	2011-0-2233	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**Busch-Protector® SCHUKO® socket outlet 1)
With overvoltage protection.**
2 P + E
With integrated and external signalling contact.
ISN = 5 kA
Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
Arrestor test class: classification Type 2
Rated voltage: 250 V~
Secondary: 250 V~
Rated current: 16 A

212 white	2310EUGL/VA-212-11	2011-0-3816	1/10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.





**FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3)
With integrated earth leakage breaker.**
Shuttered.
Flush-mounted SCHUKOMAT, VDE 0664.
DP cut off (P/N)
Without PE monitoring.
Rated actuating current: 30 mA. Release time: ≤ 30 ms.
Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs.
Without claw fixation.
Rated frequency: 45-60 Hz.
Rated voltage: 230 V~
Rated current: 16 A
Protection class (Device): IP 21
Temperature range (Device): -25 °C to 40 °C


212 white	3118 EUCKS-212	3116-0-0597	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.


Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (PN) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
212 white	3120EUC KS-212	3116-0-0613	1
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example. 3) Increased shock protection.			


	Buschmat FI - Insert 1) 2) With earth leakage breaker with connecting conductor. Protection of downstream consumers. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs. DP cut off (PN) Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
212 white	3150UC -212	3117-0-0001	1
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.			


	SCHUKO® socket outlet 1) With control light with LED, 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20EUC GL-212	2011-0-3858	10
green (SV) RAL 6018	20EUC GL-13-212	2011-0-3860	10
orange (ZSV) RAL 2004	20EUC GL-14-212	2011-0-3861	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

	SCHUKO® socket outlet 1) 2) With LED control light Shuttered. 2 P + E With transparent lens. LED colour green. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20E UCBL-212	2013-0-5280	10
green (SV) RAL 6018	20EUC BL-13-212	2013-0-5282	10
orange (ZSV) RAL 2004	20EUC BL-14-212	2013-0-5283	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCBLI-212	2013-0-5290	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.			

	SCHUKO® socket outlet 1) With marking „EDV“ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUC/DV-212	2011-0-2159	10/100
217 red	20 EUC/DV-217	2011-0-2167	10/100
Busch-Duro 2000® SI 2) With coloured base 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.			

	SCHUKO® socket outlet 1) 2) With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCQ-212	2011-0-2720	10
green (SV) RAL 6018	20 EUCQ-13-212	2011-0-2860	10
orange (ZSV) RAL 2004	20 EUCQ-14-212	2011-0-2878	10
217 red	20 EUCQ-217	2011-0-2852	10
1) Can only be used in SI frames with adapter 1746-.... 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

	SCHUKO® socket outlet 1) 2) 3) With marking „EDV“ With screwless terminal. 2 P + E With cover 50 x 50 mm. Suitable for cut-outs (50 x 50 mm) of the trunking covers from Ackermann and Tehalit. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCQ/DV-212	2011-0-2894	10
217 red	20 EUCQ/DV-217	2011-0-2886	10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Can only be used in SI frames with adapter 1746-.... 3) For SCHUKO® socket outlet insert with red cover, see Section Reflex SI.			

	Busch-Socket outlet 1) With screwless terminal. 2 P + E With extract mechanism. Tested by the society, Gesellschaft für Gerontotechnik. Rated voltage: 250 V~ Rated current: 16 A		
212 white	20 EUCDR-212	2011-0-2597	10/100
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

Product	Article-No.	Order-No.	Pack/Qty
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**Busch-Object socket outlet^{1) 2)}
With screw-on supporting frame.**
Complete cover
With screwless terminal.
2 P + E
Incl. Cover plate with extract mechanism.
Rated voltage: 250 V~
Rated current: 16 A

212 white **20E UA-212** 2011-0-3397 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Separati installationonl ypoissi ble.



**SCHUKO® socket outlet¹⁾
With hinged lid.**
With screwless terminal.
2 P + E
Hinged lid notches when opened.
Rated voltage: 250 V~
Rated current: 16 A

212 white **20EUK -212** 2018-0-0596 10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



**SCHUKO® socket outlet^{1) 2) 3)}
With hinged lid and labelling field**
With screwless terminal.
2 P + E
Hinged lid notches when opened.
Size of labelling field: 51 x 10 mm.
Rated voltage: 250 V~
Rated current: 16 A

212 white **20EUK N-212** 2018-0-0604 10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) The labels are clamped under the labelling field.
3) See labelling sheet 1799 xx.



**SCHUKO® socket outlet
With hinged lid.**
With screwless terminal.
2 P + E
With different lock mechanism.
Delivery includes 2 keys.
Rated voltage: 250 V~
Rated current: 16 A

212 white **20EUK SL-212** 2018-0-1222 10



**SCHUKO® socket outlet
With hinged lid.**
With screwless terminal.
2 P + E
With evenly engaging lock.
Delivery includes 2 keys.
Rated voltage: 250 V~
Rated current: 16 A

212 white **20EUK SL-212-101** 2018-0-1474 10



Busch Nema socket outlet with cover plate¹⁾
For wall box 58 mm with screw fixation
Without claw.
Rated voltage: 125 V~
Rated current: 15 A

212 white **3015EUC -212** 2122-0-0018 10/100

212 white **3016EUC -212** 2122-0-0026 10/100

1) Use in accordance with US Standard (e.g. in US military barracks).

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Nema Flush Mounted Twin Socket Outlet¹⁾
For special wall box.
Without claw.
Rated voltage: 125 V~
Rated current: 15 A

212 white **3015-02 EUI-212** 2123-0-0016 10

212 white **3016-02 EUI-212** 2123-0-0024 10

1) Use in accordance with US Standard (e.g. in US military barracks).



Special Wall Box
For Busch Nema flush mounted 2gang socket outlets.

3072 1745-0-0017 10



**Socket outlet
With earthing pin**
With screwless terminal.
Suitable for the countries: Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

212 white **20 MUC-212-500** 2017-0-0809 10/100



**Socket outlet^{1) 2)}
With earthing pin**
With screwless terminal.
Shuttered.
Suitable for the countries: Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~
Rated current: 16 A

212 white **20 MUCKS-212-500** 2017-0-0833 10

1) Socket outlet with integrated child protection. Replaces the usual term "...with child protection?"
2) Order-bound manufacturing



**Socket outlet¹⁾
With earthing pin**
With screw-type terminal.
Shuttered.
Suitable for the countries: Belgium, Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~


212 white **23 MUCKS-212-500** 2017-0-0838 10/100




1) Increased shock protection .



**Socket outlet
With earthing pin**
With screwless terminal.
with hinged lid
Suitable for the countries: Poland, Czech Republic.
2 P + E
Rated voltage: 250 V~

212 white **20 MUCKD-212-500** 2017-0-0770 10/100

Product	Article-No.	Order-No.	Pack/Qty
 <p>Socket outlet With earthing pin With screwless terminal. Used to avoid connection of unwanted equipment which may cause interference on the circuit. 2 P + E Rated voltage: 250 V~ Rated current: 16 A</p>	20M UCC-212-500	2017-0-0826	10
212 white			
 <p>Euro American socket outlet with earth, 16 A 1gang With screw-type terminal. Without claw. Rated voltage: 250 V~ Rated current: 16 A</p>	2196 EUC-212-500		
212 white			
 <p>FanS witch 1 pole, without zero position Rated voltage: 250 V~ Rated current: 10 AX</p>	2711U CDRL-212	1164-0-0136	10/100
212 white			
 <p>Cover plate As cover for flush mounted room thermostat with make contact and time control. For inserts 1080 U and 1080 UF.</p>	1780-212	1710-0-2041	10
212 white			
 <p>Cover plate For room thermostat for room thermostat 1094 U, 1097 U</p>	1794-212	1710-0-3530	10/100
212 white			
 <p>Cover plate For room thermostat With sliding switch for nightly room temperature reduction to activate nighttime mode and reduction of room temperature by 4K, for thermostat 1095 U, 1096 U and 1095 UF.</p>	1795-212	1710-0-3555	10
212 white			
 <p>Cover plate For room thermostat For room thermostat 1094 UTA, 1097 UTA</p>	1794 TA-212	1710-0-3682	10/100
212 white			
 <p>Cover plate For room thermostat With sliding switch for nightly room temperature reduction For room thermostat 1095 UTA, 1096 UTA</p>	1795 TA-212	1710-0-3709	10
212 white			

Product	Article-No.	Order-No.	Pack/Qty
 <p>WaveLINE LED display 1) 2) For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx. For WaveLINE 6721-xx universal signalling unit. For Busch Watchdog 220 WaveLINE 6745 AGM. For Busch-Universal relay switch insert 6404 U. For universal dimmer switch insert 6595 U. For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102. Range in free field: approx. 100 m Send/receive frequency: 868 MHz. Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 54 mm x 54 mm</p>	6730-212	6730-0-0001	1
212 white			
<p>1) See labelling sheet 1799 xx. 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.</p>			
 <p>Busch-Watchdog 180 flush mounted comfort sensor II For inserts 6804 U-10x/6401 U-10x/6593 U/6805 U/6812 U-10x/6402 U. Switch-off delay: 80 sec. Surveillance density: 18 sectors with 72 switching segments. Detection angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 1.1 m - 1.3 m Temperature range (Device): 0 °C to 35 °C</p>	6810-212-101-500	6800-0-2162	1
212 white			
 <p>Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	6800-212-104-500	6800-0-2164	1
212 white			
<p>1) Please order the respective flush mounted insert separately.</p>			


Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C</p>	6800-212-104M-500	6800-0-2166	1

212 white

- 1) installation: slide switch top.
 2) Please order the respective flush mounted insert separately.


 <p>Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.</p>	2542 JDR-212	1753-0-0615	10
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212 white

 <p>SCHUKO® socket outlets ¹⁾ With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A</p>	20EUJ-212-50 0	2011-0-2654	10/100
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212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

 <p>SCHUKO® socket outlet ^{1) 2)} Shuttered With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A</p>	20E UJKS-212-500	2013-0-4946	10
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212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Increased shock protection.

 <p>SCHUKO® socket outlet ^{1) 2)} With screw-on mounting plate 2 P + E Complete unit in SI design screw-on mounting plate 90 x 90 mm Rated voltage: 250 V~ Rated current: 16 A</p>	20E UJSR-212	2011-0-3082	1/10
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212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Separation installation possible.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Double SCHUKO® socket outlets ¹⁾ With screwless terminal. 2 P + E Suitable for commercially available flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A</p>	20-02 EUJ-212	2014-0-0991	10/100


212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

 <p>Double SCHUKO® socket outlets ^{1) 2)} Shuttered With screwless terminal. 2 P + E Suitable for commercially available flush-mounted boxes. Rated voltage: 250 V~ Rated current: 16 A</p>	20-02 EUJKS-212	2021-0-0335	10
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212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Increased shock protection.


 <p>Combination ¹⁾ SCHUKO® socket outlet, with rocker switch With screw-type terminal. 2 P + E Rocker Switch 10 A, 250 V. 1 gang, 2way Rated voltage: 250 V~ Rated current: 16 A</p>	4310/6 EUJ-212-500	1611-0-0110	10/100
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212 white

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

 <p>Pull switch 1 gang 2way with screw-type terminals, Rated voltage: 250 V~ Rated current: 10 AX</p>	2610/6 UJ-212-500	1315-0-0415	10/100
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212 white

 <p>Surface mounting box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.</p>			
1-gang box	1701-212	1799-0-0287	10/100
2-gang box	1702-212	1799-0-0337	10
3-gang box	1703-212	1799-0-0386	1/10


212 white


212 white

212 white

 <p>Trunking adaptors For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan. Trunking dimension: 15 x 15 mm to 19 x 19 mm.</p>	2087-212	1761-0-1228	10
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212 white

Product	Article-No.	Order-No.	Pack/Qty
	Cable entry For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan.		
212 white	2088-212	1761-0-1293	10


	Busch-Dimmer® Complete unit in SI design with leading edge control For incandescent lamps and 230 V tungsten halogen lamps. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W IEC 60669-2-1, British Standard EN 60669-2-1 ¹⁾		
212 white	2200UJ-212	6514-0-0012	1/10
212 white	2110C -212	1717-0-0065	10

Cover plate for rotary dimmer 2200 UJ-212, for combinations


1) Non-illuminable.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame For vertical or horizontal installation.		
212 white	2511-212-506	1725-0-0613	10/100
212 white	2gang frame 2512-212-506	1725-0-0621	10/100
212 white	3gang frame 2513-212-506	1725-0-0639	10/100
212 white	4gang frame 2514-212-500	1725-0-0647	10/100
212 white	5gang frame 2515-212-500	1725-0-0654	10


	Cover frame 1gang frame With marking „Heizung-Notschalter“		
212 white	2511 JH-212	1725-0-0662	10

	Cover frame ^{1) 2)} 1gang frame With labelling field and label holder.		
212 white	1721 NS-212	1754-0-2221	10/100

1) See labelling sheet 1799 xx.
2) See label holder.


	Cover frame ^{1) 2)} 2gang frame With labelling field and label holder. Vertical.		
212 white	1722 NS-212	1754-0-2239	10/100


1) See labelling sheet 1799 xx.
2) See label holder.


	Cover frame ^{1) 2)} 3gang frame With labelling field and label holder. Vertical.		
212 white	1723 NS-212	1754-0-3708	10


1) See labelling sheet 1799 xx.
2) See label holder.


Product	Article-No.	Order-No.	Pack/Qty
	Cover frame ^{1) 2)} With labelling field and label holder. Horizontal		
	2gang frame		
212 white	1732NS -212	1754-0-2213	10/100
212 white	3gang frame		
	1733NS -212	1754-0-3716	10
1) See labelling sheet 1799 xx. 2) See labelholder.			


	Cover frame 1gang frame With hinged lid.		
	212 white	2518-212	1719-0-0111 10/100

	Label holder For replacement purposes For outer edge of frame.		
	1761	1799-0-0154	10
	1760	1799-0-0162	10

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Duro 2000® SI Linear-Frames With small corner radii for trunking systems.		
	1gang frame		
	212 white	2511-212K-102	1725-0-1489 10/100
	212 white	2gang frame 2512-212K-102	1725-0-1490 10/100
	212 white	3gang frame 2513-212K-102	1725-0-1491 10/100
212 white	4gang frame 2514-212K-102	1725-0-1492 10	
212 white	5gang frame 2515-212K-102	1725-0-1493 10	

	Busch-Duro 2000® SI Linear cover frame ¹⁾ 1gang frame With labelling field and label holder.		
	212 white	1721 NSKA-212	1754-0-4093 10
1) See labelling sheet 1799 xx.			

	Cover frame ¹⁾ With labelling field and label holder. Vertical.		
	2gang frame		
	212 white	1722 NSKA-212	1754-0-4094 10
	212 white	3gang frame 1723 NSKA-212	1754-0-4096 10
212 white	4gang frame 1724 NSKA-212	1754-0-4098 1	
1) See labelling sheet 1799 xx.			

	Cover frame ¹⁾ With labelling field and label holder. Horizontal		
	2gang frame		
	212 white	1732 NSKA-212	1754-0-4095 10
	212 white	3gang frame 1733 NSKA-212	1754-0-4097 10
212 white	4gang frame 1734 NSKA-212	1754-0-4099 1	
1) See labelling sheet 1799 xx.			



Timeless elegance for surface mounting.

EVEN WHEN CABLES ARE SURFACE-MOUNTED, YOU DON'T HAVE TO SACRIFICE ATTRACTIVE SWITCHES AND SOCKET OUTLETS. ELEGANT BOXES WITH SOFT RADII ARE THE HALLMARK OF THE BUSCH-JAEGER SURFACE MOUNTED RANGE, WITH LARGE, UNIVERSALLY ACCLAIMED ILLUMINATED ROCKERS.



Nothing on fire here

By using a mounting plate (as specified by insurance companies) these boxes can also be mounted on flammable surfaces. By breaking off the edges of the mounting plate you can fit two plates together in order to achieve various combinations.



SM switch with mounting plate

Diversity of the range

The complete Busch-Duro 2000® SI, Reflex SI/Reflex SI Linear, future®/future® linear, and *alpha nea*® flush-mounted ranges can be installed as a surface-mounted range in combination with the corresponding surface-mounted boxes. For use with cable conduits, cable entries by means of which the cases can be placed directly next to the cable duct are available.



SM box for installation, e. g., of Reflex SI








SM box for installation, e. g., of future® linear

Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen.



2gang combination switch/socket outlet. Colour: white.


Switches and rocker switches	225
Switch and SCHUKO® socket outlet combinations	226
Accessories	227

Application for	V	mA	W	Art. No. Order No.					
Suitable for devices 2000/... 2020/... 2001/... 2021/... 2601/... 2621/... 2061/... 2661/...									
					Neon/ incandescent lamps with connecting line	Plug-in neon lamps	Plug-in incandescent lamps	Neon/ incandescent lamps with E-10 thread	Plug-in neon lamps for replacement
1. SM switch/push-switch without 2gang	230	0.6		8332-1²⁾ 1784-0-0016					
2. SM switch/push-switch without 2gang	230	1.0		8346-1¹⁾ 1784-0-0321					
3. SM 2gang	230	0.6		8339-1²⁾ 1784-0-0040					
4. SM switch/push-switch	24	40		8358³⁾ 1784-0-0719					
5. SM switch/push-switch	12	40		8335-1²⁾ 1784-0-0529					
6. SM switch/push-switch without 2gang	3, 5, 8	40		8333-1²⁾ 1784-0-0024					
7. Switch/push-switch without 2gang, universal lighting	230	0.4		8350¹⁾ 1784-0-0545					
8. Switch/push-switch without 2gang, control lighting	230	1.0		8352¹⁾ 1784-0-0560					
9. Switch/push-switch without 2gang, particularly bright	230	2.0		8353¹⁾ 1784-0-0578					
10. 2gang	230	0.5		8338-1²⁾ 1784-0-0057					
11. Switch/push-switch	24	22						8337-1³⁾ 1784-0-0032	
12. Switch/push-switch	12	40						8345-1³⁾ 1784-0-0289	
13. Switch/push-switch	8	40						8344-1³⁾ 1784-0-0164	
14. Light signal/warning indicator	230	1.3						8302²⁾ 1780-0-0022	
15. Light signal	230		3.0					8340²⁾ 1784-0-0222	
16. Light signal	24		2.0					8343³⁾ 1784-0-0263	
17. Light signal	12		1.5					8342³⁾ 1784-0-0255	
18. Light signal	6		1.2					8341³⁾ 1784-0-0248	
19. Lamp tool for E-10 lamps								8509 0401-0-0018	
Neon lamps for replacement can be replaced from the front of the switch insert, colour-coded									
20. Switch/push-switch without 2gang, universal lighting, red, for 8350		0,4						8360²⁾ 1784-0-0552	
21. Switch/push-switch without 2gang, control lighting, yellow, for 8352		1,0						8362²⁾ 1784-0-0586	
22. Switch/push-switch without 2gang, particularly bright, white for 8353		2,0						8363²⁾ 1784-0-0594	
23. Corresponding LED for replacement See page 29		0,5/1,0/2,0						838x 839x	


¹⁾ Exchangeable plug-in neon lamp

²⁾ Neon lamp


³⁾ Incandescent lamp

Product	Article-No.	Order-No.	Pack/Qty
	Cover switch, 2 modules Rated voltage: 250 V~ Rated current: 10 AX		
white	1gang 2way ¹⁾ 2601/6 AP	1042-0-0621	10/100
white	2gang 1way ²⁾ 2601/5 AP	1042-0-0639	10
white	1gang, intermediate ¹⁾ 2601/7 AP	1042-0-0647	10
white	DP, 1gang 1way ¹⁾ 2601/2 AP	1042-0-0654	10


1) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.
2) Illuminable by inserting lamp 8339-1.

	Rocker switch With illumination according to German Standard work-place regulations. Rated voltage: 250 V~ Rated current: 10 AX		
white	1gang 2way 2601/6 APGL	1042-0-0662	10
white	2gang 1way ¹⁾ 2601/5 APGL	1042-0-0670	10


1) Illuminable by inserting lamp 8339-1.

	Rocker switch ¹⁾ 1gang 2way With labelling field. Labelling field 51 x 10 mm. Rated voltage: 250 V~ Rated current: 10 AX		
white	2601/6N AP	1042-0-0993	10


1) See labelling sheet 1799 xx.

	Switch ^{1) 2)} 1gang 2way With red neon lens. With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX		
white	2601/6S KAP	1052-0-0117	10


1) Neon-lamp 89346-1 included..
2) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.

	Switch ^{1) 2)} DP, 1gang 1way with marking. With red neon lens. With neon lamp. Supply voltage: 250 V~ Rated current: 10 AX		
white	2601/2S KAP	1052-0-0133	10


1) Neon-lamp 89346-1 included..
2) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch including mounting plate Rated voltage: 250 V~ Rated current: 10 AX		
white	1gang 2way ¹⁾ 2601/6-32	1042-0-0944	10
white	2gang 1way ²⁾ 2601/5-32	1042-0-0951	10


1) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.
2) Illuminable by inserting lamp 8339-1.

	Push switch ¹⁾ SP, with normally open contact (operating current) including mounting plate Rated voltage: 250 V~ Rated current: 10 A		
	2621-32	1442-0-0417	10


1) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.

	Push switch ¹⁾ SP, with normally open contact (operating current) With N terminal. Delivery without symbol Rated voltage: 250 V~ Rated current: 10 A		
white	2621 AP	1442-0-0201	10


1) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.

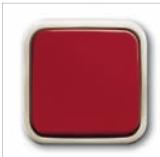
	Push switch ¹⁾ SP, with normally open contact (operating current) Delivery without symbol. With illumination according to German Standard work-place regulations. Rated voltage: 250 V~ Rated current: 10 A		
	2621 APGL	1442-0-0219	10


1) Illuminable using lamp 8332-1, 8346-1, 8335-1 and 8333-1.


	Push switch ¹⁾ SP, with normally open contact (operating current) With marking „bell“ With labelling field. Labelling field 51 x 10 mm. With N terminal. Rated voltage: 250 V~ Rated current: 10 A		
white	2621 NAP/KI	1442-0-0441	10

1) See labelling sheet 1799 xx.


	Push switch SP, break contact With red switch rocker. With „Tür schließen“ marking. With N terminal. Rated voltage: 250 V~ Rated current: 10 A		
white	2621 AP-107	1442-0-0458	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Push switch SP, break contact With red switch rocker. With N terminal. Rated voltage: 250 V~ Rated current: 10 A		
white	2621 AP-105	1442-0-0409	10/100


	Symbol for push switch For cover 2520-... For SM switch button 2601 For SM push button 2601 For switch 2006... and push switch 2026...		
	without symbol		
212 white	2525N	1433-0-0416	100
212 white	„Light“ 2525LI	1433-0-0424	100
212 white	„Bell“ 2525K I	1433-0-0432	100
212 white	„Key“ 2525 TR	1433-0-0440	100
transparent	red 2525-12	1433-0-0457	100
	Symbol for push switch, transparent		
clear-transparent	„Light“ 2145LI	1714-0-0211	100
clear-transparent	„Bell“ 2145K I	1714-0-0229	100
clear-transparent	„Key“ 2145 TR	1714-0-0237	100
transparent	red 2145-12	1714-0-0245	100
clear-transparent	without symbol 2145N	1714-0-0203	100

	Busch-Blind control switch/Push switch 1) With interlock. Rated voltage: 250 V~ Rated current: 10 A		
	SP, Rocker Switch		
white	2601/4 AP	1042-0-0688	10
white	SP, cover push switch 2621/4 AP	1442-0-0193	10


1) Blind switches/push switches prevents fast change over between operating directions.


	Combination SCHUKO® socket outlet, with rocker switch 1) 2) 3) 1gang 2way For vertical installation. 2 P + E Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX		
white	2601/6/2300 EAP500	1641-0-0182	10/100

1) Illuminable, by using lamp 8332-1. 8346-1.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
3) For locking onto mounting plate 2609/02 APJ-COMB


	Combination 2 Schuko® socket outlets/rocker switch 1) 2) 3) 1gang 2way For vertical installation. 2 P + E Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX		
	2601/6/2300/2 EAP	1686-0-0013	5/50

1) Illuminable, by using lamp 8332-1. 8346-1.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
3) For locking onto mounting plate 2609/03 APJ


	Pull switch 1gang 2way With screw-type terminals. Rated voltage: 250 V~ Rated current: 10 A		
white	2610/6 AP	1343-0-0136	10

	SCHUKO® socket outlet 1) 2) 3) Shuttered With screw-type terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
white	2300-01 EAP-09-500	2044-0-0063	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Large version (approx. 47 mm higher).
3) Increased shock protection .

	SCHUKO® socket outlet 1) 2) With screw-type terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
white	2300 EAP-09-503	2041-0-0135	10/100


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Large version (approx. 47 mm higher).


	Double SCHUKO® socket outlets 1) For vertical installation. With screwless terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
white	20-02 EAP	2054-0-0351	10/100

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	SCHUKO® socket outlet 1) 2) 3gang For vertical installation. With screw-type terminal. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	2300-03 EAP	2056-0-0018	5/50


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) For locking onto mounting plate 2609/03 APJ


Product	Article-No.	Order-No.	Pack/Qty
 <p>Trunking adaptors Trunking dimensions: 17 x 17 to 19 x 19 mm Material: Desmopan.</p>	white	2085K	1761-0-1046 100
	white	Trunking: 15 x 25 mm 2084K	1761-0-1020 10


 <p>Mounting plate ¹⁾ ²⁾ for all SM devices for individual devices. For 2gang socket outlets, socket outlet/rocker switch combinations - order 2 mounting plates. Use for installation on inflammable backgrounds in accord. with the regulations of the local property insurers institution.</p>	white	2609 AP	1716-0-0026 20/200
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1) Not for 3gang socket outlets.
2) Not for 3-gang combinations

Product	Article-No.	Order-No.	Pack/Qty
 <p>Surface mounting box Box for accommodating flush mounted push button 42 V. For insert 2031 flush-mounted.</p>	212 white	1706-212	1799-0-0543 10/100
	214 alpine white	Reflex SI 1706-214	1799-0-0550 10

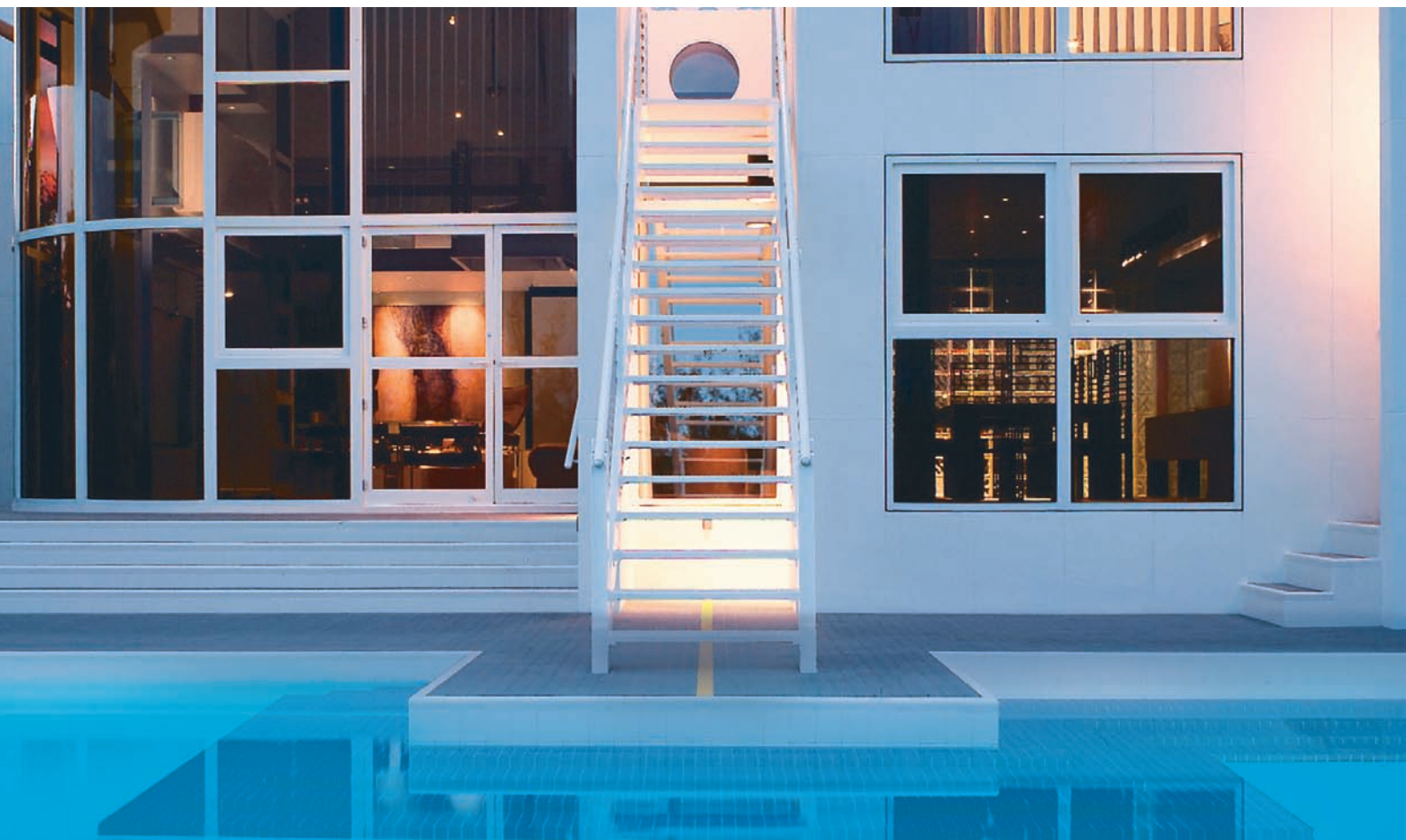
 <p>Surface mounting box 1-gang box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.</p>	212 white	1701-212	1799-0-0287 10/100
	214 alpine white 217 red	Reflex SI 1701-214 1701-217	1799-0-0295 10/100 1799-0-0329 10
<p><i>alpha nea</i>[®]</p>	22G ivory	1701-22G	1799-0-0816 10
	24G studio white	1701-24G	1799-0-0436 10
	28G hansa blue, high gloss ^{*)}	1701-28G	1799-0-0733 10
	*) Phase-out type		

 <p>Surface mounting box 2-gang box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.</p>	212 white	1702-212	1799-0-0337 10
	214 alpine white 217 red	Reflex SI 1702-214 1702-217	1799-0-0345 10 1799-0-0378 10
<p><i>alpha nea</i>[®]</p>	22G ivory	1702-22G	1799-0-0824 10
	24G studio white	1702-24G	1799-0-0451 10
	28G hansa blue, high gloss ^{*)}	1702-28G	1799-0-0758 10
	*) Phase-out type		

 <p>Surface mounting box 3-gang box With base plate. Box for inserts and cover plates with multi gang-frame or devices with full cover from the flush-mounted program.</p>	212 white	1703-212	1799-0-0386 1/10
	214 alpine white	Reflex SI 1703-214	1799-0-0394 1/10
<p><i>alpha nea</i>[®]</p>	22G ivory	1703-22G	1799-0-0832 1/10
	24G studio white	1703-24G	1799-0-0477 1/10
	28G hansa blue, high gloss ^{*)}	1703-28G	1799-0-0774 1
	*) Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Trunking adaptors For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan. Trunking dimension: 15 x 15 mm to 19 x 19 mm.		
	Busch-Duro 2000®SI		
212 white	2087-212	1761-0-1228	10
	Reflex SI		
214 alpinewhi te	2087-214	1761-0-1236	10
	<i>alpha nea</i> ®		
22 white	2087-22	1761-0-1475	10
24 studiowhi te	2087-24	1761-0-1277	10
28 hansabl ue *)	2087-28	1761-0-1392	10
	future®		
82 savanna/ivory white	2087-82	1761-0-1494	10
84 davos/studio white	2087-84	1761-0-1495	10
85 manhattan/graphite *)	2087-85	1761-0-1496	10
89 stone/lightgre y *)	2087-89	1761-0-1497	10
	future®I inear		
81 anthracite *)	2087-81	1761-0-1493	10
82 savanna/ivory white	2087-82	1761-0-1494	10
83 aluminiumsi lver *)	2087-83	1761-0-1504	10
84 davos/studio white	2087-84	1761-0-1495	10
89 stone/lightgre y *)	2087-89	1761-0-1497	10
1) Surfacepai nted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cable entry For SM box Suitable for 1701-.../1702-... and 1703-... Material: Desmopan.		
	Busch-Duro 2000®SI		
212 white	2088-212	1761-0-1293	10
	Reflex SI		
214 alpinewhi te	2088-214	1761-0-1301	10
	<i>alpha nea</i> ®		
24 studiowhi te	2088-24	1761-0-1343	100
22 white	2088-22	1761-0-1483	100
28 hansabl ue *)	2088-28	1761-0-1418	100
	future®		
82 savanna/ivory white	2088-82	1761-0-1499	10
84 davos/studio white	2088-84	1761-0-1500	10
85 manhattan/graphite *)	2088-85	1761-0-1501	10
89 stone/lightgre y *)	2088-89	1761-0-1502	10
	future®I inear		
81 anthracite *)	2088-81	1761-0-1498	10
82 savanna/ivory white	2088-82	1761-0-1499	10
83 aluminiumsi lver *)	2088-83	1761-0-1505	10
84 davos/studio white	2088-84	1761-0-1500	10
89 stone/lightgre y *)	2088-89	1761-0-1502	10
1) Surfacepai nted. *) Phase-out type			



WITH IP 44 PROTECTION, THIS RANGE RESISTS THE TOUGHEST CONDITIONS AND THEREFORE COMPLETELY JUSTIFIES THE NAME ALL WEATHER 44®. IN THE WORKSHOP OR ON THE TERRACE - THESE HIGHLY IMPACT-RESISTANT AND WEATHER-PROOF DEVICES ARE THE RIGHT CHOICE.



alpine white



ivory white



anthracite



aluminium silver



brown

Wide range of devices

The range includes "special solutions" such as telephones, antennae, etc. The material used is impact-resistant and dimensionally stable and thus guarantees very good breaking and weather resistance.

Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, weather-proof, free of PVC and halogen. IP 44 type of protection.

Flush mounting and Water Protected



2gang combination 1gang-2way switch and lockable socket outlet. All Weather 44® switch range. Colour: aluminium silver.

Rocker switches	234
Cover plates (blind switch, key switch)	235
Intermediate ring with hinged lid	235
SCHUKO® socket outlets	236
FI-SCHUKOMAT	236
Busch-Watchdog sensor	236
Cover frame	237
SCHUKO® socket outlet for wall installation	237

More than just switches and socket outlets.



Rocker switch 1gang



Rocker switch 2gang



Blind switch/push switch



Blind switch with rotary knob



Busch-Watchdog 180 flush mounted



Blind switch with semi-cylindrical lock



Rocker switch 1gang with labelling field

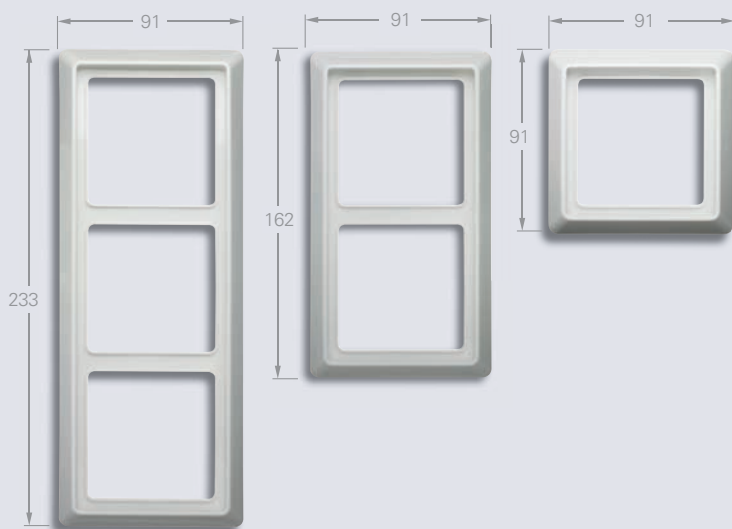


Flush mounted box*



SCHUKO® socket outlet with hinged lid*

*These products are located in an aluminium die-cast case and do not require a separate frame.



Vertical cover frame

1 to 3 gang cover frame for horizontal and vertical installation.

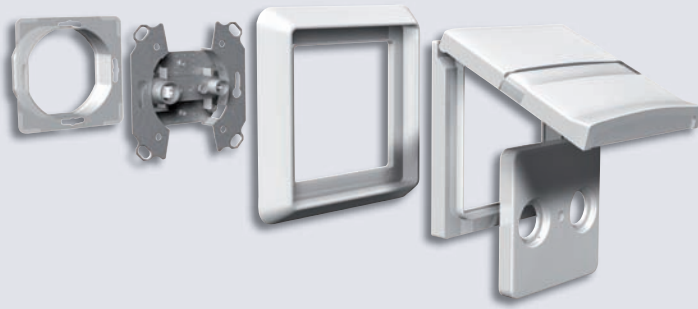


FI-SCHUKOMAT socket outlet with complete cover (monobloc)

The variety of available rockers and central units leave nothing to be desired. All devices are provided with sealing rings and can be mounted onto standard flush-mounted inserts in commercial flush-mounted socket outlets.

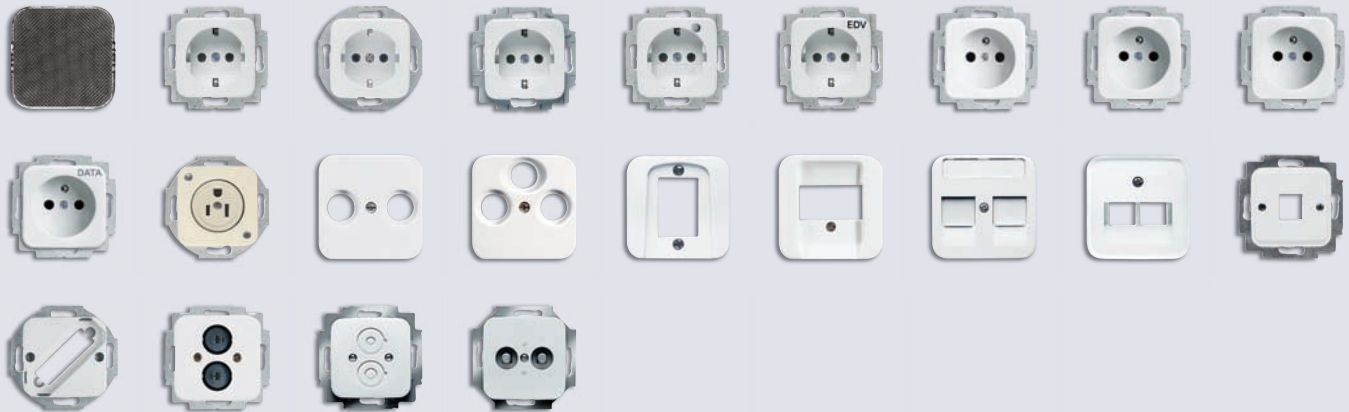
Integration of special connections

Via the intermediate ring with hinged lid, many Busch-Duro 2000® SI or Reflex SI inserts can also be used outdoors.



The intermediate ring with hinged lid exists in four different designs and all colours of All weather 44®:

- Intermediate ring with hinged lid
- Intermediate ring with hinged lid and labelling field
- Intermediate ring with hinged lid, lockable (different or same locks)
- Intermediate ring with hinged lid and labelling field, lockable (different or same locks)




Switch dimmer for outdoor application, installed indoors




Switch extension in All weather 44® for outdoor application, installed on the terrace


If you wish, Busch-Dimmer® is always close-by – due to its practical extension function. With switch dimmers, the same light can be controlled with push-switches from almost everywhere. For outdoor use, push-switches from the All weather 44® or ocean® switch programmes are used. In practice, this means, for example, that you


can also dim your terrace lights using a Busch-Dimmer® from the comfort of your living room, as well as from a weather-resistant push-switch directly on the terrace itself. You can decide to replace your current switch with a convenient Busch-Dimmer® later. In most cases, an exchange is possible.


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2106-31	1731-0-1962	10/100
32 white	2106-32	1731-0-1775	10/100
33 aluminiumsi lver	2106-33	1731-0-1963	10/100
34 alpinewhi te	2106-34	1731-0-1593	10/100
35 anthracite	2106-35	1731-0-1668	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker 1) With labelling field Labelling field 66.7 x 10 mm. For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2106N-31	1731-0-1960	10
32 white	2106N-32	1731-0-1825	10
33 aluminiumsi lver	2106N-33	1731-0-1961	10
34 alpinewhi te	2106N-34	1731-0-1643	10
35 anthracite	2106N-35	1731-0-1718	10


1) See labelling sheet 1799 xx.


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker Marked, with symbol mounting hole As cover for 2-pole or 3-pole flush-mounted on-off switch and 2-pole control on-off switch. screwable (fixing element) Delivered with sealing ring Delivery without symbol IP 44 only in conjunction with the respective symbols and styling frame All Weather 44®. Protection class (Device): IP 44		
31 brown	2108-31	1731-0-1966	10
32 white	2108-32	1731-0-1809	10
33 aluminiumsi lver	2108-33	1731-0-1967	10
34 alpinewhi te	2108-34	1731-0-1627	10
35 anthracite	2108-35	1731-0-1692	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With red neon lens. As cover for flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2107-31	1731-0-1964	10
32 white	2107-32	1731-0-1833	10
33 aluminiumsi lver	2107-33	1731-0-1965	10
34 alpinewhi te	2107-34	1731-0-1734	10
35 anthracite	2107-35	1731-0-1742	10

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker For flush mounted switch 2g 1w, 2g push switch screwable (fixing element) Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2105-31	1731-0-1958	10/100
32 white	2105-32	1731-0-1783	10
33 aluminiumsi lver	2105-33	1731-0-1959	10/100
34 alpinewhi te	2105-34	1731-0-1601	10/100
35 anthracite	2105-35	1731-0-1676	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With symbol mounting hole For flush mounted switch 1g1w, 1g2w, intermediate, push switch. screwable (fixing element) Delivered with sealing ring Delivery without symbol IP 44 only in conjunction with the respective symbols and styling frame All Weather 44®. Protection class (Device): IP 44		
31 brown	2120-31	1731-0-1968	10/100
32 white	2120-32	1731-0-1817	10
33 aluminium silver	2120-33	1731-0-1969	10/100
34 alpine white	2120-34	1731-0-1635	10/100
35 anthracite	2120-35	1731-0-1700	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/ push switch. screwable (fixing element) Delivered with sealing ring For inserts 2000/4 and 2020/4 US. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2126-31	1731-0-1970	10
32 white	2126-32	1731-0-1841	10
33 aluminium silver	2126-33	1731-0-1971	10
34 alpine white	2126-34	1731-0-1650	10
35 anthracite	2126-35	1731-0-1726	10


Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking „Heizung-Notschalter“ With red neon lens. screwable (fixing element) Delivered with sealing ring As cover for flush mounted control 1g1w, DP. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2102 H-31	1731-0-1956	10
32 white	2102 H-32	1731-0-1791	10
33 aluminium silver	2102 H-33	1731-0-1957	10
34 alpine white	2102 H-34	1731-0-1619	10
35 anthracite	2102 H-35	1731-0-1684	10


Product	Article-No.	Order-No.	Pack/Qty
	Cap 1) For indication lamps. Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
clear-transparent	2664-11-101	1565-0-0191	10
red	2664-12-101	1565-0-0209	10
green	2664-13-101	1565-0-0217	10


1) For use with flush mounted insert 2661.


Product	Article-No.	Order-No.	Pack/Qty
	Symbol for push switch For ocean® and All Weather 44® ranges. Protection class (Device): IP 44		
without symbol	2622 N-101	1714-0-0252	100
clear-transparent	Light 2622 LI-101	1714-0-0260	100
clear-transparent	Bell 2622 KI-101	1714-0-0278	100
clear-transparent	Key 2622 TR-101	1714-0-0286	100
red	Red 2622-12-101	1714-0-0294	100


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U. Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2142D R-31	1710-0-3801	10
32 white	2142D R-32	1710-0-2223	10
33 aluminiumsilver	2142D R-33	1710-0-3802	10
34 alpinewhite	2142D R-34	1710-0-1811	10
35 anthracite	2142D R-35	1710-0-1886	10

	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101. With sealing ring. Semi-cylindrical lock not included in delivery IP 44 only in conjunction with styling frames All Weather 44® and the appropriate semi-cylindrical lock. Protection class (Device): IP 44		
31 brown	2155 PZ-31	1710-0-3803	10
32 white	2155PZ-32	1710-0-2231	10
33 aluminiumsilver	2155PZ-33	1710-0-3804	10
34 alpinewhite	2155PZ-34	1710-0-1829	10
35 anthracite	2155PZ-35	1710-0-1894	10


	Cover plate With marking For insert 2733 USL-101. IP 44 only in conjunction with styling frames All Weather 44® and the appropriate semi-cylindrical lock. As cover for flush-mounted key switch. Semi-cylindrical lock not included in delivery With sealing ring. Protection class (Device): IP 44		
31 brown	2155 SLPZ-31	1710-0-3805	10
32 white	2155S LPZ-32	1710-0-2249	10
33 aluminiumsilver	2155S LPZ-33	1710-0-3806	10
34 alpinewhite	2155S LPZ-34	1710-0-1837	10
35 anthracite	2155S LPZ-35	1710-0-1902	10

	Cover plate With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. For connecting cables of up to 5 x 2.5 mm ² . With strain relief (without terminal block). Terminal block not included in delivery With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2133-31	1710-0-3797	10
32 white	2133-32	1710-0-2256	10
33 aluminiumsilver	2133-33	1710-0-3798	10
34 alpinewhite	2133-34	1710-0-1845	10
35 anthracite	2133-35	1710-0-1910	10


	Blank plate With metal mounting plate Delivered with sealing ring IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2138-31	1710-0-3799	10
32 white	2138-32	1710-0-2264	10
33 aluminiumsilver	2138-33	1710-0-3800	10
34 alpinewhite	2138-34	1710-0-1852	10
35 anthracite	2138-35	1710-0-1928	10

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid ^{1) 2) 3)} Lockable, differing locks For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2118 GKSL-31	1710-0-3788	10
32 white	2118 GKSL-32	1710-0-2298	10
33 aluminiumsilver	2118 GKSL-33	1710-0-3789	10
34 alpine white	2118 GKSL-34	1710-0-1951	10
35 anthracite	2118 GKSL-35	1710-0-1977	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...
- 2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts

	Intermediate ring with hinged lid ^{1) 2) 3)} For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2118 GK-31	1710-0-3784	10/100
32 white	2118 GK-32	1710-0-2272	10
33 aluminiumsilver	2118 GK-33	1710-0-3785	10/100
34 alpine white	2118 GK-34	1710-0-1860	10/100
35 anthracite	2118 GK-35	1710-0-1936	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...
- 2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts

	Intermediate ring with hinged lid ^{1) 2) 3) 4)} With labelling field Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
31 brown	2118 GKN-31	1710-0-3786	10
32 white	2118 GKN-32	1710-0-2280	10
33 aluminiumsilver	2118 GKN-33	1710-0-3787	10
34 alpine white	2118 GKN-34	1710-0-1878	10
35 anthracite	2118 GKN-35	1710-0-1993	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGL/VA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...
- 2) Combinable with cover plate 1746-...-101, 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
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Intermediate ring with hinged lid ^{1) 2) 3) 4)}

Lockable, differing locks
 With labelling field.
 Labelling field 66.7 x 10 mm.
 For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc.
 Delivery without cover plate.
 With sealing ring and 2 keys.
 IP 44 only in conjunction with cover frames All Weather 44®.
 Protection class (Device): IP 44

31	brown	2118GK SLN-31	1710-0-3795	10
32	white	2118GK SLN-32	1710-0-2306	10
33	aluminiumsi lver	2118GK SLN-33	1710-0-3796	10
34	alpinewhi te	2118GK SLN-34	1710-0-1969	10
35	anthracite	2118GK SLN-35	1710-0-1985	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
- 2) Combinable with cover plate 1746-...101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.



Intermediate ring with hinged lid ^{1) 2) 3) 4)}

Lockable, same locks
 With labelling field.
 Labelling field 66.7 x 10 mm.
 For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc.
 Delivery without cover plate.
 With sealing ring and 2 keys.
 IP 44 only in conjunction with cover frames All Weather 44®.

31	brown	2118GK SLN/11-31	1710-0-3790	10
32	white	2118GK SLN/11-32	1710-0-3791	10
33	aluminiumsi lver	2118GK SLN/11-33	1710-0-3792	10
34	alpinewhi te	2118GK SLN/11-34	1710-0-3793	10
35	anthracite	2118GK SLN/11-35	1710-0-3794	10

- 1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-..., 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
- 2) Combinable with cover plate 1746-...101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
- 3) Combinable only with covers for flush-mounted inserts
- 4) See labelling sheet 1799 xx.



SCHUKO® socket outlet with screwless terminal and hinged lid

With hinged lid and labelling field
 With screwless terminal.
 2 P + E
 Delivered with sealing ring
 IP 44 only in conjunction with cover frames All Weather 44®.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

31	brown	20EUGK -31	2064-0-0282	10/100
32	white	20EUGK -32	2064-0-0269	10/100
33	aluminiumsi lver	20EUGK -33	2064-0-0283	10/100
34	alpinewhi te	20EUGK -34	2064-0-0202	10/100
35	anthracite	20EUGK -35	2064-0-0244	10



SCHUKO® socket outlet ¹⁾

With hinged lid and labelling field
 Labelling field 66.7 x 10 mm.
 With screwless terminal.
 2 P + E
 Delivered with sealing ring
 IP 44 only in conjunction with cover frames All Weather 44®.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

31	brown	20EUGK N-31	2064-0-0284	10
32	white	20EUGK N-32	2064-0-0277	10
33	aluminiumsi lver	20EUGK N-33	2064-0-0285	10
34	alpinewhi te	20EUGK N-34	2064-0-0210	10
35	anthracite	20EUGK N-35	2064-0-0251	10

1) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
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SCHUKO® socket outlet

With hinged lid and marking
 With screwless terminal.
 2 P + E
 Continuous coloured marking (cover plate and base).
 Delivered with sealing ring
 IP 44 only in conjunction with cover frames All Weather 44®.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

13	green (SV) RAL 6018	20 EUG-13	2064-0-0228	10
14	orange (ZSV) RAL 2004	20 EUG-14	2064-0-0236	10



FI-SCHUKOMAT, SCHUKO® socket outlets ^{1) 2) 3)}

With integrated earth leakage breaker.
 Shuttered, Waterproof.
 Flush-mounted SCHUKOMAT, VDE 0664.
 Complete cover, not combinable.
 DP cut off (PN)
 Without PE monitoring.
 Rated actuating current: 30 mA. Release time: ≤ 30 ms.
 Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) µs.
 Without claw fixation.
 Rated frequency: 45-60 Hz.
 Rated voltage: 230 V~
 Rated current: 16 A
 Protection class (Device): IP 44
 Temperature range (Device): -25 °C to 40 °C

44	alpine white	3118 EUGKS-44	3116-0-0647	1
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- 1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
- 2) Terminals suitable for loop through connection.
- 3) Increased shock protection .





Busch-Watchdog 180 flush mounted comfort sensor II for All Weather 44® ^{1) 2)}


With combi-lens
 For automatic switching of devices dependent on motion and brightness.
 For use outdoors.
 For down-to-ground detection.
 For relay switch insert 6401 U-102.
 IP 44 only in conjunction with cover frames All Weather 44®.
 Surveillance density: 40 sectors with 160 switching segments.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 With screw-type terminal.
 Detection range: frontal: 15 m, lateral: 10 m
 Detection angle: 180 °
 Brightness limit value: 5 Lux - 250 Lux , Daytime operation
 Mounting height: 0.8 m - 1.2 m alternative: 2.5 m
 Protection class (Sensor): IP 44
 Temperature range (Device): -25 °C to 55 °C
 Position for installation: vertical


31	brown	6800-31-102C	6800-0-2353	1
32	white	6800-32-102C	6800-0-1898	1
33	aluminium silver	6800-33-102C	6800-0-2354	1
34	alpine white	6800-34-102C	6800-0-1674	1
35	anthracite	6800-35-102C	6800-0-1740	1

- 1) Delivered with sealing ring.
- 2) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Cover frame 1gang frame IP 44 only in connection with a switch cover, cover plate, etc. of program All Weather 44®. Protection class (Device): IP 44		
31 brown	2101-31	1730-0-0275	10/100
32 white	2101-32	1730-0-0258	10/100
33 aluminiumsi lver	2101-33	1730-0-0276	10/100
34 alpinewhi te	2101-34	1730-0-0191	10/100
35 anthracite	2101-35	1730-0-0225	10

	Cover frame 2gang frame IP 44 only in connection with a switch cover, cover plate, etc. of program All Weather 44®. Protection class (Device): IP 44		
31 brown	2102-31	1730-0-0277	10/100
32 white	2102-32	1730-0-0266	10/100
33 aluminiumsi lver	2102-33	1730-0-0278	10/100
34 alpinewhi te	2102-34	1730-0-0209	10/100
35 anthracite	2102-35	1730-0-0233	10


	Cover frame 3gang frame IP 44 only in connection with a switch cover, cover plate, etc. of program All Weather 44®. Protection class (Device): IP 44		
31 brown	2103-31	1730-0-0279	10
32 white	2103-32	1730-0-0274	10
33 aluminiumsi lver	2103-33	1730-0-0280	10
34 alpinewhi te	2103-34	1730-0-0217	10
35 anthracite	2103-35	1730-0-0241	10

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) Suitable for wall installation. Shuttered. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. With screwless terminals. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 41		
grey	20 EFDB2	2011-0-3871	1/10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	SCHUKO® socket outlet 1) 2) *) Suitable for wall installation. Made of diecast aluminium. Wall-flush installation. 2 entries PG 16. With screw-type terminals. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 41		
grey	2300 EFD2-101	2011-0-2423	1/10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Use adapter for metric pipes, e.g. Kleinhuis 1897P16M20 or 1897P16M25.
*) Phase-out type

	FM box Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. Protection class (Device): IP 41		
grey	1705 U-101	1799-0-0913	10/10

	FM box 1) *) Suitable for wall installation. Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Made of diecast aluminium. Wall-flush installation. 2 entries PG 16. Protection class (Device): IP 41		
grey	1705 U	1799-0-0493	10

1) Use adapter for metric pipes, e.g. Kleinhuis 1897P16M20 or 1897P16M25.
*) Phase-out type

	Socket fixing plate For FM case 1705 U-101.		
	For blank cover plate.		
	1710	1764-0-0224	10
	For diode jacks.		
	1711	1764-0-0232	10
	For 25-pole D-subminiature connectors.		
	1712	1764-0-0240	10
	For 2 modular jack inserts 0210 and 0211.		
	1713	1764-0-0257	10
	For XLR panel jacks, series D		
	1714	1764-0-0265	10

Beauty with inner values.



OCEAN® FASCINATES DUE TO ITS FORM AND COLOUR AND HAS A PRIZE-WINNING LOOK. THIS RANGE CONVINCES NOT ONLY BY DESIGN BUT ALSO BY FUNCTIONALITY, BECAUSE IT IS ROBUST, EASY TO INSTALL AND VERSATILE.



Degree of protection IP 44

The waterproof surface-mounted **ocean**® range can withstand the harshest of conditions and thus is eminently suitable not only for laundry rooms and spas, but also for production areas.



Fast replacement installation

Uniform gauges, suitable for the drilled holes of the WS range, also simplify the replacement of old switches because the boreholes can be reused.



Quality on the inside

Many useful details make fitting a pleasure. The larger connection area for conductors up to 5 x 2.5 mm² simplifies cable feed-through, as the cable can pass underneath the socket outlet base. Mounting is further assisted by insertion guides, plug-in terminals and fast release cover screws

Materials: thermoplastic cover (PP), fracture-resistant, UV-resistant, weather-proof, free of PVC and halogen.

Surface Mounted and Water Protected



reddot design award
winner 2004

2gang rocker switch/socket outlet combination with labelling field. ocean® switch range. Colour: blue-green.

Mechanical switches/blind switches	242
SCHUKO® socket outlets	244
Switch and SCHUKO® socket outlet combinations	245
Multiple SCHUKO® socket outputs	246
Special connectors	247
Twilight switch	247
Empty box, branching box, surface-mounted case	247
Line and cable leads	247
Accessories	248
FI-SCHUKOMAT	248
Busch-Duro 2000® WD (IP 66)	250
Busch-Duro 2000® WDI (IP 66)	251

Almost too good for wet rooms.

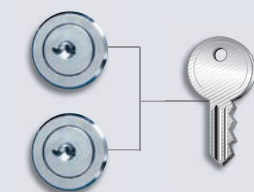
Many useful details delight the user and the installer in equal measure. Illumination and labelling, fast release screws and generous wiring space assist during installation and operation.



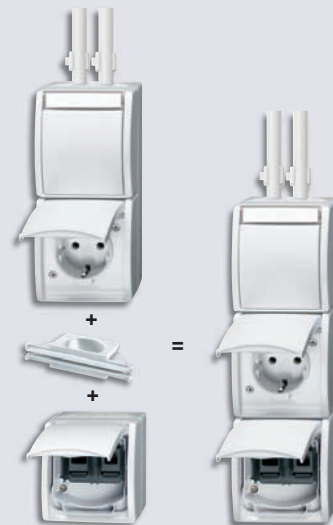
Lockable socket outlet

Prevent misuse

Especially in areas with public access it is possible that strangers will use electricity that you have to pay for. Lockable hinged lids are the answer.



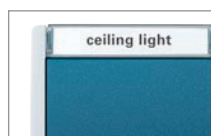
Two lockable socket outlets with identical keys, for example for connecting a washing machine and a dryer, which are supplied by the electricity meter of the apartment. No one can thus wash or dry at the cost of other tenant.



The combination that acts like a single component

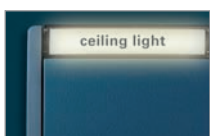
Combination possibility

Using the cable entry, various inserts are freely combinable. In addition to data communication products, other special inserts like key switches, rocker switches, or twilight switches can be fully integrated. The entire assortment is available in grey/blue-green or alpine white.



Clear assignment of the consumers.

Uniform labelling field for switches and socket outlets (optional).



Visible in the dark

Large-area lighting of the labelling field by LED for all switches and push-switches (optional).



Easy connection

Large connection area even for 5 x 2.5 mm² conductors. Easy through-connections underneath the base.

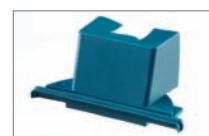


Fast mounting using the PoziDriv screw (+/-), PZ 1 (with triple-pitch fast release stainless steel thread). Same mounting dimensions as the WS range.



Safe feed-through

Feed-through of earth wire via terminal block.



Colour-matching duct entry

Available in both colours for use in cable ducts.

Whether heat or cold, water or chemicals – even under extreme conditions these types remain resistant. Special materials, clever design and a high quality finish make them almost indestructible.



Busch-Duro 2000® WD Waterproof (IP 66)

The range for special requirements with the indispensable high protection for special mechanical stress and effects of dust and water.

Busch-Duro 2000® WDI Waterproof, Industrial (IP 66)

In combination with cable entries 2070 and 2071, this range is resistant to the majority of aggressive media such as oils, grease, detergents, solvents and hydrocarbons, as well as organic and inorganic bases (if normal concentrations are not exceeded).

Busch-Duro 2000® EWDI Waterproof (IP 66)

This socket outlet with hinged lid and bayonet lock has very high impact resistance and is eminently suitable for use under the harshest of conditions. For use with highly aggressive liquids like ammonia and petrol, a special cable entry is available.

All devices have an open cable entry on the top side and a closed cable entry on the bottom side.




SCHUKO® socket outlet with hinged lid and bayonet lock


SCHUKO® plug with bayonet lock


SCHUKO® plug with bayonet lock


A SCHUKO® plug that can be tightly locked using a bayonet lock is available for the waterproof socket outlets.





Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang 2way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/6 W-53	1085-0-1603	10/100
54 alpinewhi te	2601/6 W-54	1085-0-1628	10/100
1) Labelhol der1 763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2)} 1gang 2way With labelling field. Labelling field 57,8 x 9,8 mm Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/6 WN-53	1085-0-1611	10/100
54 alpine white	2601/6 WN-54	1085-0-1624	10/100
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 2gang 1way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/5 W-53	1085-0-1606	10/100
54 alpinewhi te	2601/5 W-54	1085-0-1621	10
1) Labelhol der1 763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3) 4) 5)} 1gang 2way With red neon lens. With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/6 SKW-53	1085-0-1607	10/100
54 alpine white	2601/6 SKW-54	1085-0-1622	10
1) Label holder 1763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) Neon-lamp 8346-1 included.. 4) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 5) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang intermediate Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/7 W-53	1085-0-1604	10/100
54 alpinewhi te	2601/7 W-54	1085-0-1620	10
1) Labelhol der1 763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch with marking Heizung-Notschalter ^{1) 2) 3) 4) 5)} 1gang 2way With red neon lens. With neon lamp. With labelling field. Labelling field 57,8 x 9,8 mm Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/6 SKWNH-53	1085-0-1609	10/100
54 alpine white	2601/6 SKWNH-54	1085-0-1631	10
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 3) Neon-lamp 8346-1 included.. 4) See lettering sheets 1799-13 and lettering software. 5) Neutral labelling field enclosed.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3)} 1gang, DP Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/2 W-53	1085-0-1605	10/100
54 alpinewhi te	2601/2 W-54	1085-0-1627	10
1) Labelhol der1 763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch with marking Heizung-Notschalter ^{1) 2) 3) 4) 5)} 1gang, DP With red neon lens. With neon lamp. With labelling field. Labelling field 57,8 x 9,8 mm Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/2 SKWNH-53	1085-0-1610	10
54 alpine white	2601/2 SKWNH-54	1085-0-1623	10
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 3) Neon-lamp 8346-1 included.. 4) See lettering sheets 1799-13 and lettering software. 5) „Heizung-Notschalter“ inscription label also included.			


Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch ^{1) 2) 3) 4)} 1gang 2way with neutral (transparent) lens, with illumination according to German Standard workplace regulations, Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/6 WGL-53	1085-0-1613	10
54 alpinewhi te	2601/6 WGL-54	1085-0-1626	10
1) Labelhol der1 763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 4) Neon-lamp8346-1i ncluded..			


Product	Article-No.	Order-No.	Pack/Qty
	Push switch ^{1) 2) 3)} 1gang 1way SP (operating current), With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey / blue-green	2621 W-53	1484-0-0370	10/100
54 alpine white	2621 W-54	1484-0-0380	10
1) Label holder 1763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	Push switch ^{1) 2) 3) 4)} 1gang 2way with neutral (transparent) lens, SP With N terminal. Can be wired for normally open contacts (stand-by current) or normally closed contacts (operating current). Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey/bl ue-green	2621 W-53-206	1484-0-0054	10
54 alpinewhi te	2621 W-54-206	1484-0-0377	10
1) Labelholder 1763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) Switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 4) See lettering sheets 1799-13 and lettering software.			


Product	Article-No.	Order-No.	Pack/Qty
	2gang 1way ^{1) 2) 3)} 2gang 1way, SP (operating current) 2 actuating covers, 2 x SP, with 2 separate current paths, without N terminal With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey / blue-green	2621 WN-53-205-101	1484-0-0374	10
54 alpine white	2621 WN-54-205-101	1484-0-0379	10
1) Label holder 1763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) See lettering sheets 1799-13 and lettering software.			


	Push switch ^{1) 2) 3) 4) 5)} 1gang 1way with neutral (transparent) lens, With illumination according to German Standard workplace regulations. SP (operating current), With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey/bl ue-green	2621 WGL-53	1484-0-0371	10/100
54 alpinewhi te	2621 WGL-54	1484-0-0381	10
1) Labelholder 1763-53. 2) Label holder illuminable with illumination insert 2152 NLI-53. 3) Push switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 4) Neon-lamp 8346-1 included. 5) See lettering sheets 1799-13 and lettering software.			


	Blind switch ^{1) 2) 3)} Rocker Switch, SP With interlock. With labelling field. Labelling field 57.8 x 9.8 mm With illumination according to Arb.Stätt.V (German Workplace Ordinance). Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2601/4 W-53	1085-0-1612	10
54 alpine white	2601/4 W-54	1085-0-1625	10
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) See lettering sheets 1799-13 and lettering software. 3) Blind switches/push switches prevents fast change over between operating directions.			

	Push switch ^{1) 2) 3)} 1gang 1way SP (operating current), With N terminal. with 2 independent answering contacts, With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey/bl ue-green	2621 WN-53-201	1484-0-0373	10
54 alpinewhi te	2621 WN-54-201	1484-0-0378	10
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) Push switch illuminable by inserting the lamp 8332-1, 8335-1, 8346-1, 8333-1 and 8358. 3) See lettering sheets 1799-13 and lettering software.			


	Blind switch/push switch, with marking ^{1) 2) 3)} Cover push switch, SP With interlock. With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 44		
53 grey / blue-green	2621/4 W-53	1442-0-0469	10
54 alpine white	2621/4 W-54	1442-0-0474	10
1) Label holder illuminable with illumination insert 2152 NLI-53. 2) See lettering sheets 1799-13 and lettering software. 3) Blind switches/push switches prevents fast change over between operating directions.			

	Symbol for push switch For ocean® and All Weather 44® ranges. Protection class (Device): IP 44		
clear-transparent	without symbol 2622 N-101	1714-0-0252	100
clear-transparent	Light 2622LI-1 01	1714-0-0260	100
clear-transparent	Bell 2622K I-101	1714-0-0278	100
clear-transparent	Key 2622 TR-101	1714-0-0286	100
red	Red 2622-12-101	1714-0-0294	100


	Busch-Blind control switch/Push switch ^{1) 2) 3) 4)} Cover switch, 1gang 2way, DP For profile semi-cylindrical lock. Key push switch Key can only be removed in central position, With labelling field. Labelling field 57.8 x 9.8 mm IP 44 only in combination with appropriate cylindrical locks. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44		
53 grey / blue-green	2712 SLW-53	1101-0-0916	10
54 alpine white	2712 SLW-54	1101-0-0924	10
1) Key not removable in end position. 2) See semi-cylindrical lock. 3) See lettering sheets 1799-13 and lettering software. 4) window non-illuminable.			

Product	Article-No.	Order-No.	Pack/Qty
 <p>Key switch ^{1) 2) 3)} 1gang 1way SP For profile semi-cylindrical lock. In switched-on and switched-off status the key can be pulled out in the central position, respectively. With labelling field. Labelling field 57,8 x 9,8 mm IP 44 only in combination with appropriate cylindrical locks. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44</p>	53 grey/bl ue-green	2733 SLW-53	1101-0-0917 10
	54 alpinewhi te	2733S LW-54	1101-0-0925 10


- 1) Seesem i-cylindrical ock.
2) See lettering sheets 1799-13 and lettering software.
3) window non-illuminable.


 <p>Pull switch ^{1) 2) 3)} 1gang 2way with screw-type terminals, Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 44</p>	53 grey/bl ue-green	2610/6 W-53	1383-0-0141 10
	54 alpinewhi te	2610/6 W-54	1383-0-0143 10

- 1) Labelhol der1 763-53.
2) See lettering sheets 1799-13 and lettering software.
3) window non-illuminable.


 <p>Neon indicator ^{1) 2) 3) 4) 5)} with E 10-thread with screw-type terminals, without cover, without lamp, IP 44 only in combination with appropriate covers. Rated voltage: 250 V~ Protection class (Device): IP 44</p>	53 grey/bl ue-green	2661 W-53	1582-0-0305 10
	54 alpinewhi te	2661 W-54	1582-0-0328 10

- 1) Labelhol der1 763-53.
2) Label holder illuminable with illumination insert 2152 NLI.
3) Indication lamp illuminable using E 10 lamps 8302, 8340, 8341, 8342, 8343.
4) Use of the intense-light neon lamp 8340 is recommended in the case of red and green covers.
5) See lettering sheets 1799-13 and lettering software.

 <p>Cap For indication lamp 2661 W-53</p>	clear-transparent	2863-11-53	1563-0-0148 10
	red	2863-12-53	1563-0-0149 10
	green	2863-13-53	1563-0-0150 10


 <p>SCHUKO® socket outlet ^{1) 2) 3)} with hinged lid With screwless terminal. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44</p>	53 grey/bl ue-green	20EW -53	2083-0-0817 10/100
	54 alpinewhi te	20EW -54	2083-0-0834 10/100

- 1) Labelhol der1 763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


Product	Article-No.	Order-No.	Pack/Qty
 <p>SCHUKO® socket outlet ^{1) 2) 3) 4)} Shuttered With screwless terminal. with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44</p>	53 grey / blue-green	20 EBW-53	2083-0-0842 10/100
	54 alpine white	20 EBW-54	2083-0-0843 10

NEW

- 1) Label holder 1763-53.
2) See lettering sheets 1799-13 and lettering software.
3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
4) Increased shock protection .

 <p>SCHUKO® socket outlet ^{1) 2)} With hinged lid and labelling field With screwless terminal. 2 P + E, With labelling field. Labelling field 57,8 x 9,8 mm Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44</p>	53 grey / blue-green	20 EWN-53	2083-0-0818 10/100
	54 alpine white	20 EWN-54	2083-0-0831 10/100


- 1) See lettering sheets 1799-13 and lettering software.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

 <p>SCHUKO® socket outlet ^{1) 2)} with green hinged lid With screwless terminal. 2 P + E, With green hinged lid, SV (RAL 6018). With labelling field. Labelling field 57,8 x 9,8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44</p>	53 grey / blue-green	20 EWN-13-53	2083-0-0819 10
	54 alpine white	20 EWN-13-54	2083-0-0837 10


- 1) See lettering sheets 1799-13 and lettering software.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

 <p>SCHUKO® socket outlet ^{1) 2)} with orange hinged lid With screwless terminal. 2 P + E, With orange hinged lid, ZSV, (RAL 2004). With labelling field. Labelling field 57,8 x 9,8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44</p>	53 grey / blue-green	20 EWN-14-53	2083-0-0820 10
	54 alpine white	20 EWN-14-54	2083-0-0838 10


- 1) See lettering sheets 1799-13 and lettering software.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) 3) with red hinged lid With screwless terminal. 2 P + E, With red hinged lid, EDP (RAL 6018). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20E W/DVN-53	2083-0-0825	10
54 alpinewhi te	20EW/ DVN-54	2083-0-0839	10


- 1) See lettering sheets 1799-13 and lettering software.
- 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	Combination SCHUKO® socket outlet, with rocker switch 1) 2) 3) 4) 5) 1gang 2way For vertical installation. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/6/20 EW-53	1684-0-0316	5/50
54 alpinewhi te	2601/6/20 EW-54	1684-0-0327	5/50


- 1) Labelholder der1 763-53.
- 2) Label holder of the switch illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.
- 5) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.

	Combination SCHUKO® socket outlet, with rocker switch 1) 2) 3) 4) 5) 6) 2gang 1way For vertical installation. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Rated current: 10 AX Protection class (Device): IP 44		
53 grey/bl ue-green	2601/5/20EW-53-503	1684-0-0324	5/50
54 alpinewhi te	2601/5/20EW-54-503	1684-0-0328	5/50


- 1) Labelholder der1 763-53.
- 2) Label holder of the switch illuminable with illumination insert 2152 NLI-53.
- 3) See lettering sheets 1799-13 and lettering software.
- 4) With high cable entry.
- 5) Terminals of the socket outlet suitable for loop connection in accordance with VDE 0620-1.
- 6) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.

	SCHUKO® socket outlet 1) 2) 3) With screwless terminal. with security lock in hinged lid, 2 P + E, lockable, 2 keys, Cannot be screwed on or dismantled in closed condition. approx. 200 different locks (unsorted), Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20EWS L-53	2083-0-0822	10/50
54 alpinewhi te	20EWS L-54	2083-0-0832	10


- 1) Labelholder der1 763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet 1) 2) 3) With screwless terminal. with security lock in hinged lid, 2 P + E, Standard lock with 2 identical keys, Cannot be screwed on or dismantled in closed condition. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20 EWSL-101-53	2083-0-0823	10
54 alpine white	20 EWSL-101-54	2083-0-0833	10


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	Set of two SCHUKO® Socket outlets 1) 2) 3) 4) With screwless terminal. 2 P + E, With 2 identical security locks in hinged lid and 2 identical keys. Cannot be screwed on or dismantled in closed condition. geminate approx. 200 different locks (unsorted), Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/20 EWSL-53	2083-0-0816	1/10
54 alpine white	20/20 EWSL-54	2083-0-0836	1


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) For operating 2 different circuits in shared rooms via user's meter.
- 4) Connecting terminals approved in accordance with VDE 0620-1 as connectors.


	SCHUKO® socket outlet 1) 2) 3) 4) 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20-02 EW-53	2084-0-0701	5/50
54 alpine white	20-02 EW-54	2084-0-0710	5/50


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.


	SCHUKO® socket outlet 1) 2) 3) 4) 5) Shuttered 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	NEW		
53 grey / blue-green	20-02 EBW-53	2084-0-0719	5
54 alpine white	20-02 EBW-54	2084-0-0722	5


- 1) Label holder 1763-53.
- 2) See lettering sheets 1799-13 and lettering software.
- 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 4) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.
- 5) Increased shock protection .


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3)} 2gang For vertical installation. With screwless terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20-02EWN-53	2084-0-0702	5
54 alpinewhi te	20-02EWN-54	2084-0-0714	5
1) See lettering sheets 1799-13 and lettering software. 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 3) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3)} 2gang For horizontal installation. With screwless terminal. 2 P + E, Prewired With red hinged lid, EDP (RAL 6018). With labelling field. Labelling field 57.8 x 9.8 mm Uniform coloured marking (hinged lid and base). Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	20/2 EW/DVN-53	2084-0-0700	5
54 alpine white	20/2 EW/DVN-54	2084-0-0713	5
1) See lettering sheets 1799-13 and lettering software. 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			

Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3)} 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20/2EW -53	2084-0-0699	5/50
54 alpinewhi te	20/2EW -54	2084-0-0711	5/50
1) Labelhol der1 763-53. 2) See lettering sheets 1799-13 and lettering software. 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3) 4)} 3gang For horizontal installation. With screw-type terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EW-53	2084-0-0698	1/10
54 alpine white	2300/3 EW-54	2084-0-0712	1/10
1) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 2) Label holder 1763-53. 3) See lettering sheets 1799-13 and lettering software. 4) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3) 4)} Shuttered 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20/2EB W-53	2084-0-0720	5/50
54 alpinewhi te	20/2EB W-54	2084-0-0723	5
1) Labelhol der1 763-53. 2) See lettering sheets 1799-13 and lettering software. 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 4) Increasedshoc kprotecti on .			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3) 4) 5)} Shuttered 3gang, For horizontal installation. With screw-type terminal. Prewired with hinged lids, 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EBW-53	2084-0-0721	1/10
54 alpine white	2300/3 EBW-54	2084-0-0724	1/10
1) Label holder 1763-53. 2) See lettering sheets 1799-13 and lettering software. 3) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 4) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used. 5) Increased shock protection .			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2)} 2gang For horizontal installation. With screwless terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20/2 EWN-53	2084-0-0703	5/50
54 alpinewhi te	20/2EWN-54	2084-0-0715	5/50
1) See lettering sheets 1799-13 and lettering software. 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.			


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2) 3)} 3gang For horizontal installation. With screw-type terminal. Prewired with hinged lids, With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey / blue-green	2300/3 EWN-53	2084-0-0704	1/10
54 alpine white	2300/3 EWN-54	2084-0-0716	1/10
1) See lettering sheets 1799-13 and lettering software. 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors. 3) Instead of the SCHUKO® socket outlets, switches, push-switches, light signals, or SCHUKO® socket outlets with locks can be used.			


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet ^{1) 2) 3)} With earthing pin With screwless terminal. With hinged lid. Suitable for the countries: Poland, Czech Republic. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	20M W-53-500	2017-0-0762	10/100
54 alpinewhi te	20M W-54-500	2017-0-0849	10
1) Labelhol der1 763-53. 2) See lettering sheets 1799-13 and lettering software. 3) Terminals suitable for loop connection in acc. with IEC 60 884-1.			


	Socket outlet ^{1) 2) 3)} With earthing pin With screw-type terminal. With hinged lid. Shuttered. Suitable for use in Belgium. 2 P + E, Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
53 grey/bl ue-green	23M WKS-53-504	2017-0-0763	10/100
54 alpinewhi te	23M WKS-54-504	2017-0-0842	10
1) Labelhol der1 763-53. 2) See lettering sheets 1799-13 and lettering software. 3) Terminals suitable for loop connection in acc. with IEC 60 884-1.			


	Busch Nema socket outlet ^{1) 2)} With yellow hinged lid. With screw-type terminal. 2 P + E, With yellow hinged lid (RAL 1018). With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 125 V Rated current: 15 A Protection class (Device): IP 44		
53 grey/bl ue-green	3015EW N-53	2124-0-0023	10/100
54 alpinewhi te	3015EW N-54	2124-0-0025	10
1) Use in accordance with US Standard (e.g. in US military barracks). 2) See lettering sheets 1799-13 and lettering software.			


	Busch Nema socket outlet ^{1) 2)} With yellow hinged lid. With screw-type terminal. 2 P + E, With yellow hinged lid (RAL 1018). With labelling field. Labelling field 57.8 x 9.8 mm Rated voltage: 125 V Rated current: 20 A Protection class (Device): IP 44		
53 grey/bl ue-green	3016EW N-53	2124-0-0024	10
54 alpinewhi te	3016EW N-54	2124-0-0026	10
1) Use in accordance with US Standard (e.g. in US military barracks). 2) See lettering sheets 1799-13 and lettering software.			


	Twilight switch ^{1) 2)} With labelling field. Labelling field 57.8 x 9.8 mm Switch-on/switch-off delay: approx. 3-6 min non-adjustable. Rated voltage: 230 V~ Rated frequency: 50 Hz Rated current: 16 AX Rated power: 3680 W/WA Brightness limit value: 3 Lux - 500 Lux nominal Protection class (Device): IP 44 Temperature range (Device): -35 °C to 55 °C		
53 grey	2240 W-53	6500-0-0791	1/10
54 alpinewhi te	2240 W-54	6500-0-0792	1/10
1) See lettering sheets 1799-13 and lettering software. 2) window non-illuminable.			


Product	Article-No.	Order-No.	Pack/Qty
	Box ^{1) 2) 3) 4) 5)} With label area larger installation depth for data communication system, suitable for DCS base 1850 built-in ... 1872 built-in and 1876 built-in, With labelling field. Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 45 mm		
53 grey / blue-green	1758 WN-53	1724-0-2751	10
54 alpine white	1758 WN-54	1724-0-4264	10
1) Not suitable for DCS base 1874 (built-in), 1875 built-in 2) See lettering sheets 1799-13 and lettering software. 3) DCS base not included 4) IP 44 only with closed hinged lid. 5) Not suited for universal modules 0219.			

	Empty box ^{1) 2) 3)} With label area larger installation depth for pilot devices of 22.5 mm diameter, Standard version, Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 60 mm		
53 grey / blue-green	2533 WN-53	1724-0-2752	10
54 alpine white	2533 WN-54	1724-0-4281	10
1) See lettering sheets 1799-13 and lettering software. 2) IP 44 only in combination with appropriate control unit 3) * e.g. of the companies Lumitas, Moeller, Schlegel, Rafi, Elan.			

	Empty box ^{1) 2) 3)} With label area larger installation depth for pilot devices of 22.5 mm diameter, with yellow cover (RAL 1018), Labelling field 57.8 x 9.8 mm Protection class (Device): IP 44 Installation depth: 60 mm		
53 grey / blue-green	2533 WN-15-53	1724-0-2753	10
54 alpine white	2533 WN-15-54	1724-0-4282	10
1) See lettering sheets 1799-13 and lettering software. 2) IP 44 only in combination with appropriate control unit 3) * e.g. of the companies Lumitas, Moeller, Schlegel, Rafi, Elan.			

	Cable entry 2gang closed		
53 blue-green	2134 W-53	1761-0-1487	10
54 alpine white	2134 W-54	1761-0-1507	10

	Cable entry 1gang open		
53 blue-green	2136 W-53	1761-0-1489	10
54 alpine white	2136 W-54	1761-0-1508	10

	Cable bushing Adapter plate for coupling several devices Protection class (Device): IP 44		
53 blue-green	2138 W-53	1761-0-1490	10
54 alpine white	2138 W-54	1761-0-1509	10

Product	Article-No.	Order-No.	Pack/Qty
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Cable entry high design

53	blue-green	2139 W-53	1761-0-1491	10
54	alpinewhite	2139 W-54	1761-0-1511	10


Cable entry
 For pipes with metric thread M 20 x 1.5.
 Protection class (Device): IP 44

53	blue-green	2137/10 W-53	1761-0-1503	10
54	alpinewhite	2137/10 W-54	1761-0-1512	10


Cable entry
 For pipes with 20 mm diameter unthreaded.
 Protection class (Device): IP 44

53	blue-green	2137/11 W-53	1761-0-1506	10
54	alpinewhite	2137/11 W-54	1761-0-1513	10


Trunking adaptors
 Channel dimension: 15 x 15 mm or 15 x 30 mm.

53	blue-green	2086 W-53	1761-0-1492	10
54	alpinewhite	2086 W-54	1761-0-1510	10


Label holder 1)
 for labelling sheet 1799-13,
 for switches and socket outlets in the ocean® program,
 with neutral foil 578 x 9.8 mm

53	clear-transparent	1763-53	1799-0-0882	10
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1) See lettering sheets 1799-13 and lettering software.


DIN A 4 labelling sheet 1) 2)
Plastic foil for ocean labels 578 x 9.8 mm
 for label holder 1763-53,
 For laser printer.
 suitable for Busch Script lettering software.
 The Busch Script software can be found on the Internet or
 in the KNX database.

179913	1799-0-0881	1
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1) Fig. similar.
 2) 1 piece = 10 sheets


Illumination insert 1)
 with LED,
 with optical fibre for uniform illumination of the label
 holder 1763-53
 Rated voltage: 230 V~

53	clear-transparent	2152 NLI-53	1784-0-0777	1
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1) See lettering sheets 1799-13 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
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Mounting plate

For individual waterproof/tight SM devices
 For fixation with fastening system (fixing screws included
 in the delivery).


metal clad	2609 WS	1716-0-0042	10
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FI-SCHUKOMAT, SCHUKO® socket outlets 1) 2) 3)
With integrated earth leakage breaker.


Shuttered.
 Waterproof.
 Flush-mounted SCHUKOMAT, VDE 0664
 DP cut off (PN)
 Without PE monitoring.
 Rated actuating current: 30 mA. Release time: ≤ 30 ms.
 Short-circuit strength: 1500 A (with 25 A GL fuse).
 Current surge strength: 250 A (8/20) μs.
 Rated frequency: 45-60 Hz.
 Rated voltage: 230 V~
 Rated current: 16 A
 Protection class (Device): IP 44
 Temperature range (Device): -25 °C to 40 °C


grey	3118 WSKS	3116-0-0639	1
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1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
 2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 3) Increased shock protection .


Product	Article-No.	Order-No.	Pack/Qty
	Cable entry Entry closed. Protection class (Device): IP 44		
	anthracite 2135 WS	1761-0-0915	10
	anthracite Entry open. 2136 WS	1761-0-0923	10
	anthracite With thread for Stapa pipe, PG 16 2137 WS	1761-0-0931	10
	anthracite Metric thread M20. 2137/10 WS	1761-0-1484	10
	anthracite Adapter plate for coupling several devices 2138 WS	1761-0-0949	10
	anthracite High slider. 2139 WS	1761-0-0956	10
anthracite Slider with two entries. 2134 WS	1761-0-1038	10	

	Cable entry Entry closed. Protection class (Device): IP 44		
	lightgre y 2135 WS-55	1761-0-1426	10
	lightgre y Entry open. 2136 WS-55	1761-0-1434	10
	lightgre y With thread for Stapa pipe, PG 16 2137 WS-55	1761-0-1442	10
	lightgre y Metric thread M20. 2137/10 WS-55	1761-0-1485	10
	lightgre y High slider. 2139 WS-55	1761-0-1467	10
	lightgre y Slider with two entries. 2134 WS-55	1761-0-1459	10


	Trunking adaptors Channel dimensions: 19 x 19 mm Material: Desmopan. Protection class (Device): IP 44		
	lightgre y 2086 WSG-55	1761-0-1095	100

	Empty box For surface mounted program. For installing the universal interfaces 6119/20 and 6119/40. Protection class (Device): IP 44		
	2647 WS	1799-0-0709	10


Product	Article-No.	Order-No.	Pack/Qty
	Surface mounting box max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 5 cable entries closed (2135 WS-55), Without terminal block. Rated voltage: 660 V Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 94 mm x 51 mm		
	2655 WS	1798-0-0065	10

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 7 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 130 mm x 51 mm		
	2655/11 WS	1798-0-0073	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 1 cable entry open (2136 WS-55), 9 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 90 mm x 167 mm x 51 mm		
	2655/12 WS	1798-0-0081	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 8 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 106 mm x 51 mm		
	2655/13 WS	1798-0-0099	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 10 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 142 mm x 51 mm		
	2655/14 WS	1798-0-0107	10


1) Fig. similar.

	Surface mounting box 1) max. conductor cross-section 4 mm ² Status of delivery: 2 cable entries open (2136 WS-55), 12 cable entries closed (2135 WS-55), Without terminal block. Protection class (Device): IP 54 Dimensions: (L x W x D): 150 mm x 179 mm x 51 mm		
	2655/15 WS	1798-0-0115	10


1) Fig. similar.

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	1gang 2way ¹⁾ 2601/6 WD	1084-0-0334	10
	1gang, intermediate ¹⁾ 2601/7 WD	1084-0-0359	10
	DP, 1gang 1way ¹⁾ 2601/2 WD	1084-0-0375	10
	2gang 1way 2601/5 WD	1084-0-0342	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.

	Rocker switch ^{1) 2)} 1gang 2way With illumination according to German Standard work-place regulations. Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/6 WDGL	1084-0-0714	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
2) Neon-lamp 8346-1 included..

	Rocker switch ^{1) 2)} Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	1gang 2way 2601/6S KWD	1084-0-0383	10
	DP, 1gang 1way 2601/2S KWD	1084-0-0391	10


1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
2) Neon-lamp 8346-1 included..


	Push switch ¹⁾ SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WD	1483-0-0106	10

1) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Push switch ^{1) 2)} SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With illumination according to German Standard work-place regulations. With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WDGL	1483-0-0155	10

1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..


Product	Article-No.	Order-No.	Pack/Qty	
	Symbol for push switch, transparent For cover 2520-... For SM switch button 2601 For SM push button 2601			
	„Light“			
	clear-transparent	2145 LI	1714-0-0211	100
	clear-transparent	„Bell“ 2145 KI	1714-0-0229	100
	clear-transparent	„Key“ 2145 TR	1714-0-0237	100
	transparent	red 2145-12	1714-0-0245	100
	clear-transparent	without symbol 2145 N	1714-0-0203	100

	Heizungs-Notschalter ^{1) 2)} DP, 1gang 1way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/2 WDH	1084-0-0425	10

1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..


	Rocker switch with marking Dachrinnen Heizungsnotschalter ^{1) 2)} DP, 1gang 1way Rated voltage: 250 V~ Rated current: 10 AX Protection class (Device): IP 66		
	2601/2 WDD	1084-0-0409	10


1) Illuminable, by using lamp 8332-1, 8346-1, 8333-1.
2) Neon-lamp 8346-1 included..

	SCHUKO® socket outlet ¹⁾ DP (2 P + E) impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	2300 EWD	2083-0-0186	10/50


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	SCHUKO® plug DP (2 P + E) For waterproof socket outlet. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	74 WD	2211-0-0092	10


	Cable entry Entry open, height 14mm. Protection class (Device): IP 66 Dimensions: (L x W x D): 14 mm		
	blue	2083 WD-503	1761-0-0899 10
	blue	Entry closed. 2081	1761-0-0808 100
blue	Adapter plate for coupling several devices 2079	1761-0-0782 10	

Product	Article-No.	Order-No.	Pack/Qty
	Rocker switch Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 66		
	1gang 2way ^{1) 2)}		
	2601/6 WDI	1084-0-0797	10
	1gang, intermediate ^{1) 2)}		
	2601/7 WDI	1084-0-0805	10
	DP, 1gang 1way ^{3) 2)}		
	2601/2 WDI	1084-0-0821	10
	2gang 1way ³⁾		
	2601/5 WDI	1084-0-0839	10


1) Resistant to aggressive media, e.g., ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
2) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.
3) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070.


	Rocker switch ^{1) 2) 3)} 1gang 2way With neon lamp. Rated voltage: 250 V~ Rated current: 16 AX Protection class (Device): IP 66		
	2601/6S KWDI	1084-0-0854	10

1) Resistant to aggressive media, e.g., ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
2) Neon-lamp 8346-1 included.
3) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Push switch ^{1) 2)} SP, with normally open contact (operating current) IP 66 only in connection with respective symbols. Delivery without symbol With N terminal. Rated voltage: 250 V~ Rated current: 10 A Protection class (Device): IP 66		
	2621 WDI	1483-0-0171	10

1) Resistant to aggressive media, e.g., ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071
2) Illuminable by inserting lamp 8332-1, 8346-1, 8333-1 and 8358.


	Symbol for push switch, transparent For cover 2520-... For SM switch button 2601 For SM push button 2601			
	„Light“			
	clear-transparent	2145 LI	1714-0-0211	100
	„Bell“			
	clear-transparent	2145K I	1714-0-0229	100
	„Key“			
clear-transparent	2145 TR	1714-0-0237	100	
transparent	red			
	2145-12	1714-0-0245	100	
clear-transparent	without symbol			
	2145N	1714-0-0203	100	


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet ^{1) 2)} DP impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66		
	2300 EWDI	2083-0-0343	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2071/2070.

	SCHUKO® socket outlet ^{1) 2)} DP impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 44		
	2300 EWSI	2083-0-0368	10


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g., ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations. Use cable entries 2070/2071

	Mounting plate For individual waterproof/tight SM devices For fixation with fastening system (fixing screws included in the delivery).		
	metal clad	2609 WS	1716-0-0042 10


	Cable entry Entry open, height 14mm. Protection class (Device): IP 66 Dimensions: (L x W x D): 14 mm		
	blue	2083 WD-503	1761-0-0899 10
	blue	Entry closed. 2081	1761-0-0808 100
blue	Adapter plate for coupling several devices 2079	1761-0-0782 10	

	Cable entry ¹⁾ Thread PG 11 for 3 x 1.5 mm Protection class (Device): IP 66		
	WDI screwed cable entry		
	grey	2070	1761-0-1368 1
WDI sealing plug			
grey	2071	1761-0-1376 1	

1) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet '1) 2)') DP						
	Locked socket outlet. Tension-free insertion due to 2-pole deactivation. Hinged lid with bayonet joint impact resistant for tough conditions Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66						
	2300EWD V	2085-0-0140	1/10				

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Resistant to aggressive media (e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations). Use cable entries 20712070.
 *) Phase-out type

	SCHUKO® plug DP (2 P + E)						
	For waterproof socket outlet. Rated voltage: 250 V~ Rated current: 16 A Protection class (Device): IP 66						
	74 WD	2211-0-0092	10				

Communication is
the gateway to the world.



PHONE, TV AND INTERNET – MODERN LIFE IS HARD TO IMAGINE WITHOUT THEM. BUT WITHOUT THE RIGHT CONNECTIONS BETWEEN SENDER AND RECEIVER, THE SIGNALS NEVER ARRIVE. FUTURE-PROOF SOLUTIONS FOR MODERN COMMUNICATION DEVICES ARE THUS IN DEMAND!



With this wide range of different requirements, convenient and fast access to data is absolutely necessary for smooth operation. In operation, laid data networks enable the variable application of peripheral devices.



Modern living culture requires an individual and variable arrangement of connectors for the transmission of communication, hi-fi, audio, and video signals.



With Busch-Jaeger solutions, you ensure that the professional connector devices required for the equipment fits harmoniously and elegantly into the existing electrical installation.



Antenna socket for radio/TV
Switch series solo®. Colour: davos.

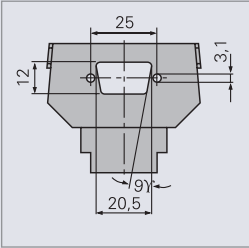
Materials: thermosetting plastic/thermoplastic cover (PC),
impact-proof and fracture-resistant (thermoplastic only),
free of PVC and halogen.

Universal data-connecting units and cover plates	260
Loudspeaker connecting units and cover plates	263
Cover plates for modular jack inserts	270
Intermediate rings for other systems	271

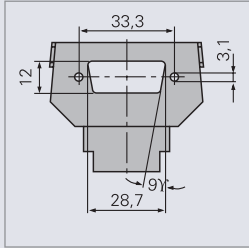


Connections create independence.

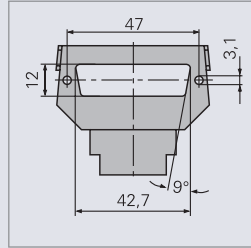
Base for:



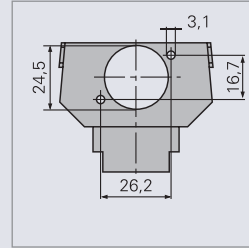
9-pole D-Sub miniature socket and VGA 15-pole Busch-Jaeger
Item no. 1850 EB
 Accessories:
 9-pole socket connector
item no. 0200



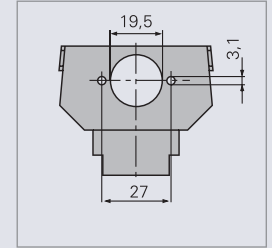
15-pole D-Sub miniature socket
 Busch-Jaeger
Item no. 1851 EB
 Accessories:
 15-pole socket connector
item no. 0201



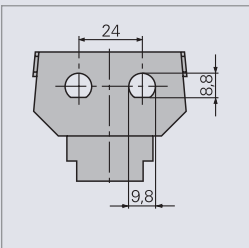
25-pole D-Sub miniature socket
 Busch-Jaeger
Item no. 1852 EB
 Accessories: 25-pole socket connector
item no. 0202



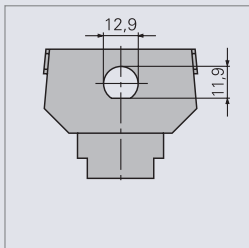
XLR installation audio socket, Type FP
 Busch-Jaeger
Item no. 1853 EB



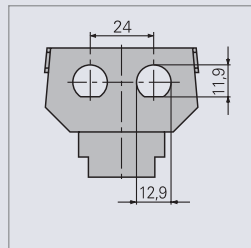
XLR installation plug Audio, Type MP
 Busch-Jaeger
Item no. 1854 EB



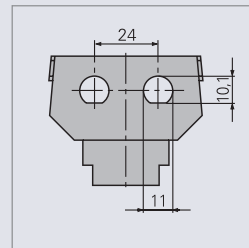
2 x BNC/TNC sockets for solder connection
 Busch-Jaeger
Item no. 1855 EB



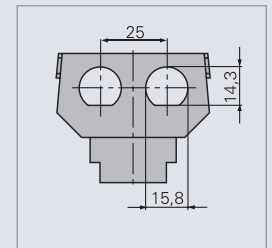
BNC/TNC installation cable socket
 Busch-Jaeger
Item no. 1856 EB



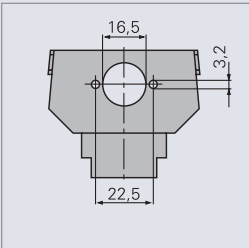
2x BNC/TNC installation cable socket
 Busch-Jaeger
Item no. 1857 EB



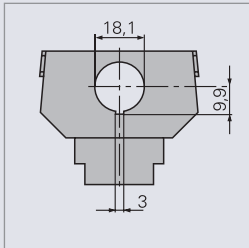
2 x BNC/installation socket
 Busch-Jaeger
Item no. 1858 EB



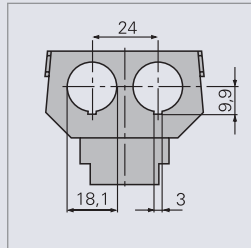
2 x UHF socket
 Busch-Jaeger
Item no. 1859 EB



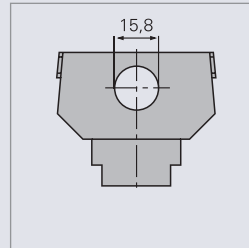
Diode installation socket for screw mounting
 Busch-Jaeger
Item no. 1860 EB



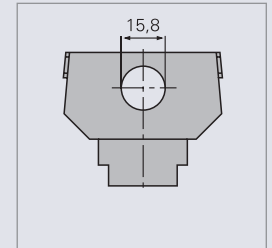
Diode installation socket/plug
 Busch-Jaeger
Item no. 1861 EB



2 x Diode installation socket/plug
 Busch-Jaeger
Item no. 1862 EB

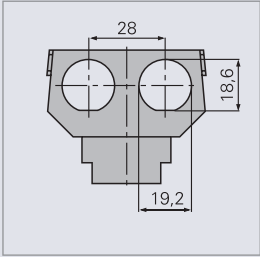


UHF socket
 Busch-Jaeger
Item no. 1863 EB

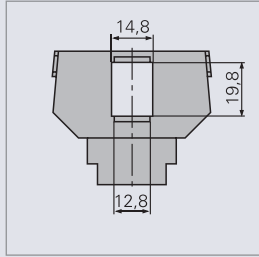


Twinax installation socket
 Busch-Jaeger
Item no. 1864 EB

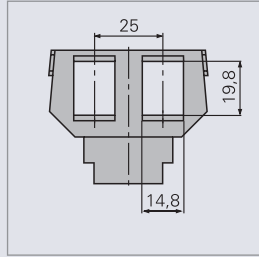
From the computer network to the patient call system: communication has many aspects and systems available today make life easier, more mobile and more global.



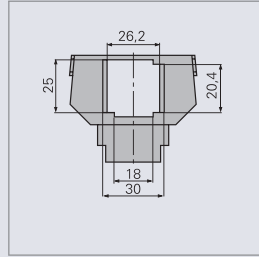
2 x Twinax installation socket
Busch-Jaeger
Item no. 1865 EB



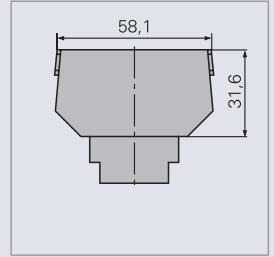
1 x 6-pole and 8-pole modular jack,
Busch-Jaeger
Item no. 1866 EB
Accessories:
Modular jack
6-pole: **item no. 0210**,
8-pole: **item no. 0211**



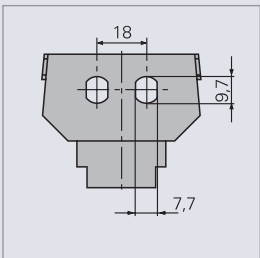
2 x 6-pole and 8-pole modular jack,
Busch-Jaeger
Item no. 1867 EB
Accessories:
Modular jack
6-pole: **item no. 0210**, 8-pole: **item no. 0211**



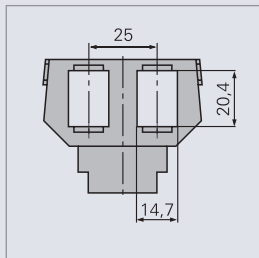
4-pole LAN data plug (local area network)
Busch-Jaeger
Item no. 1868 EB



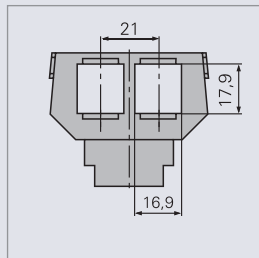
Closed
Busch-Jaeger
Item no. 1869 EB



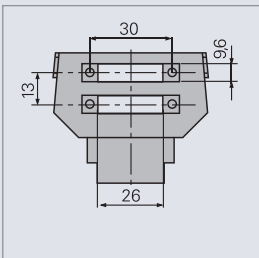
OWG installation connector
2 x ST
Busch-Jaeger
Item no. 1870 EB



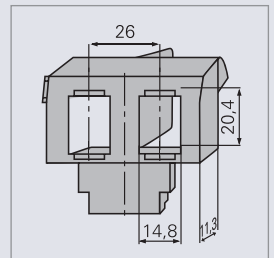
2 x 6-pole and 8-pole modular jack,
Busch-Jaeger
Item no. 1871 EB



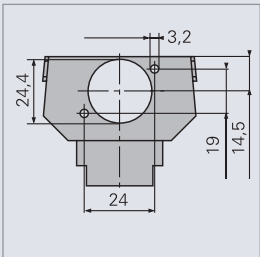
2 x 6-pole and 8-pole modular jack,
Busch-Jaeger
Item no. 1872 EB



OWG installation connector
2 x Duplex SC
Busch-Jaeger
Item no. 1874 EB



2 x 8-pole modular jack Cat. 5,
Busch-Jaeger
Item no. 1875 EB



XLR installation plug/
socket, Series D
Busch-Jaeger
Item no. 1876 EB



How it all connects

Different plugs and jacks from other companies can be capped using a cover plate that matches the switch range. Where this is not possible, special fixing plates, supporting frames and adapters can be used which Busch-Jaeger can supply in many variations. In this way visual continuity is ensured.



Live under difficult circumstances.



SOMETIMES, A NORMAL SCHUKO® PLUG DOES NOT MAKE SENSE. IN THIS CASE, HOWEVER, BUSCH-PERILEX®, BUSCH-TERKO®, OR BUSCH-NEMA WILL CERTAINLY PROVIDE A SUITABLE SOLUTION WHOSE DESIGN FITS EVERY HOME INSTALLATION.



Busch-Perilex® three-phase current connectors according to DIN 49445 through 49448

Because of their design these connectors are suited for every standard home installation. They are available for flush and surface mounting, for dry and wet rooms, as well as for indoor and outdoor use.



Busch-Terko® – the system with angled contacts

Because of their angled contacts these devices are protected against incorrect polarity. They are used wherever devices have to be unplugged, where different voltages and frequencies are employed and where confusion must be avoided.

Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen




Busch-Nema connectors

This series is available in two different basic types. All of them conform to the UL standard and are used wherever this U.S. standard is demanded - for example in U.S. military installations.




2gang combination switch/Busch-Terko® socket outlet.
Switch series Busch-Duro 2000® SI. Colour: white.




Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection unit, cat. 3 ¹⁾ 1gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100

1) To fit cover plate 1803-xxx.


	Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0220-507	0230-0-0397	10

NEW

1) To fit cover plate 1803-xxx.


	Data-connection boxes, RJ45, cat.5e, shielded ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 5 in accordance with DIN EN 50173-1:2003-06. Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Up to 100 MHz on all pairs of wires. Suitable for Gigabit Ethernet. Without claw.		
	0216	0230-0-0276	1/10

1) To fit cover plate 1803-xxx.


	Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet ¹⁾ 1gang With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Up to 250 MHz on all pairs of wires. Suitable for Gigabit Ethernet. with claw		
	0221-507	0230-0-0399	10

NEW

1) To fit cover plate 1803-xxx.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		

212 white	1803-212	1753-0-8949	10
214 alpine white	1803-214	1753-0-8394	10

	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV 8 EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.		
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	<i>alpha exclusive[®]</i>		
22G ivory	1803-22G	1710-0-2603	10
24G studio white	1803-24G	1710-0-2025	10
233 amber ¹⁾	1803-233	1710-0-3374	10
255 obsidian ¹⁾	1803-255	1710-0-3400	10
260 palladium ¹⁾	1803-260	1710-0-3322	10
266 titanium ¹⁾	1803-266	1710-0-3348	10

	<i>alpha nea[®]</i>		
20 platinum ¹⁾	1803-20	1753-0-8410	10
21 bronze ¹⁾	1803-21	1753-0-8428	10
22G ivory	1803-22G	1710-0-2603	10
24 studio white	1803-24	1753-0-8436	10
24G studio white	1803-24G	1710-0-2025	10
26 brown ¹⁾	1803-26	1753-0-0026	10
28 hansa blue ¹⁾	1803-28	1753-0-8477	10

	<i>impuls</i>		
	71 brilliant black ¹⁾ 1803-71 72 ivory 1803-72 74 alpine white 1803-74 79 champagne metallic ¹⁾ 1803-79 777 blackberry 1803-777 783 aluminium silver ¹⁾ 1803-783	1753-0-0953 1753-0-0085 1753-0-8964 1753-0-8998 1753-0-0130 1753-0-0087	10 10 10 10 10 10

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for universal data connection boxes. Art.-No. 0213 (Cat 3), 0216 (Cat 5), 0220-507 (Cat. 5e.), 0221-507 (Cat. 6), data technology and comparable types from the company Rutenbeck. Brand-Rex (WAEGV & EKR/EK). BTR (universal data connecting unit design and IAE design). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	future® 1)		
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
85 manhattan/graphite *)	1803-85	1710-0-3183	10
89 stone/lightgrey *)	1803-89	1710-0-3438	10
	future® linear 1)		
81 anthracite *)	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
83 aluminiumsilver 2)	1803-83	1710-0-3674	10
84 davos/studio white	1803-84	1710-0-3165	10/100
89 stone/lightgrey *)	1803-89	1710-0-3438	10
	solo® 1)		
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
85 manhattan/graphite *)	1803-85	1710-0-3183	10
86 samoa/light green *)	1803-86	1710-0-3201	10
87 toscana/purple	1803-87	1710-0-3219	10
88 attica/pigeon blue *)	1803-88	1710-0-3237	10
803 meteor/grey metallic	1803-803	1710-0-3852	10
815 sahara/yellow	1803-815	1710-0-3832	10
	Busch-axcent® 1)		
84 davos/studio white	1803-84	1710-0-3165	10/100
	carat®		
81 anthracite *)	1803-81	1710-0-3616	10
82 savanna/ivory white	1803-82	1710-0-3147	10
84 davos/studio white	1803-84	1710-0-3165	10/100
	pure stainless steel 1)		
866 stainlesssteel	1803-866	1710-0-3763	10/100

1) See labelling sheet 1799 xx.
2) Surface painted.
*) Phase-out type



Strain relief adapter
For flush-mounted installation, with strain relief and cable guide. With two cable binders. Suitable for all Universal data connecting unit sockets, part no.s 0220... and 0221...

NEW
0222-507 0230-0-0401 10

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box with down-leading outlet 1) 2 gang internally parallel connected With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0214	0230-0-0235	10/100

1) Suitable for cover plate 1803-02-xxx.



**Universal data connection box with down-leading outlet 1)
2 x outlets, 8/8-pole**
With down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Design according to IEC 60 603-7-2:2007.
Screw contacts with claw

0215 0230-0-0243 10

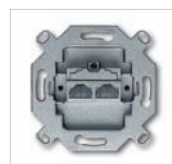
1) Suitable for cover plate 1803-02-xxx.



**Universal data connection unit, RJ45, Cat. 5e, unshielded, with down-leading outlet 1)
2 x outlets, 8/8-pole**
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001.
Marking in accordance with EIA/TIA 568 A and B.
Design according to IEC 60 603-7-2:2007.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
with claw

NEW
0220/12-507 0230-0-0398 10

1) Suitable for cover plate 1803-02-xxx.



**Data-connection boxes, RJ45, cat.5e, shielded 1)
2 x outlets, 8/8-pole**
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 5 in accordance with DIN EN 50173-1:2003-06.
Cat. 5e (Category 5 enhanced) according to TIA/EIA-568-B.2-2001.
Marking in accordance with EIA/TIA 568 A and B.
Design according to IEC 60 603-7-2:2007.
Shielding according to DIN EN 55022, Class B.
Up to 100 MHz on all pairs of wires.
Suitable for Gigabit Ethernet.
Without claw.

0217 0230-0-0284 10


1) Suitable for cover plate 1803-02-xxx.



**Universal data connection unit, RJ45, Cat. 6e, unshielded, with down-leading outlet 1)
2 x outlets, 8/8-pole**
With down-leading outlet and LSA-PLUS self-cutting clamps.
Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002.
Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7.
Marking in accordance with EIA/TIA 568 A and B.
Design according to IEC 60 603-7-2:2007.
Up to 250 MHz on all pairs of wires.
Suitable for 10-Gigabit Ethernet.
with claw


NEW
0221/12-507 0230-0-0400 10

1) Suitable for cover plate 1803-02-xxx.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Data-connection boxes, RJ45, cat 6a, shielded 1) 2) 2 x outlets, 8/8-pole For channel installation. With down-leading outlet and LSA-PLUS self-cutting clamps. Cat. 6 according to DIN EN 50173-1:2003-06, ISO/IEC 1180:2002, and TIA/EIA-568-B.2:2002. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-TR 42.7. Marking in accordance with EIA/TIA 568 A and B. Design according to IEC 60 603-7-2:2007. Shielding according to DIN EN 55022, Class B. Cable entry freely selectable. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Without claw. Installation depth: 38 mm</p>	0218	0230-0-0376	1/10


1) Suitable for cover plate 1803-02-xxx.

2) Not to be mounted in SM box 1701-xxx, 1702-xxx, 1703-xxx.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.</p>			
	212 white	1803-02-212	1753-0-8956	10
214 alpinewhi te	1803-02-214	1753-0-8402	10
215 black	1803-02-215	1753-0-9111	10

Busch-Duro 2000®SI


Reflex SI

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet.</p>			
	22G ivory	1803-02-22G	1710-0-2611	10
24G studio white	1803-02-24G	1710-0-2033	10
233 amber 1)	1803-02-233	1710-0-3373	10
255 obsidian 1)	1803-02-255	1710-0-3399	10
260 palladium 1)	1803-02-260	1710-0-3321	10/100
266 titanium 1)	1803-02-266	1710-0-3347	10/100

alpha exclusive®

20 platinum 1)	1803-02-20	1753-0-8485	10
21 bronze 1)	1803-02-21	1753-0-8493	10
22G ivory	1803-02-22G	1710-0-2611	10
24 studio white	1803-02-24	1753-0-8501	10
24G studio white	1803-02-24G	1710-0-2033	10
26 brown 1)	1803-02-26	1753-0-0025	10
28 hansa blue 1)	1803-02-28	1753-0-8543	10

alpha nea®


Product	Article-No.	Order-No.	Pack/Qty
 <p><i>impuls</i></p>			
	71 brilliant black 1)	1803-02-71	1753-0-1076	10
72 ivory	1803-02-72	1753-0-0083	10
74 alpine white	1803-02-74	1753-0-9004	10
79 champagne metallic 1)	1803-02-79	1753-0-9038	10
777 blackberry	1803-02-777	1753-0-0129	10
783 aluminium silver 1)	1803-02-783	1753-0-0084	10


1) Surface painted.


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 2gang As cover for universal data connection boxes. Art. No. 0214, 0215 (Cat 3), 0220/12-507, 0221/12-507, 0218, 0217 (Cat 5e/6 data technology) and comparable types of the company Rutenbeck. Brand-Rex (WAEGV 8/8 EKR/EK). AMP (NETCONNECT 5E). BTR (E-DAT C6, E-DAT design, Universal data connecting unit design and IAE design). cti (cti-wire 2.8 Cat.6). Telegärtner (AMJ 45, UMJ 45). With down-leading outlet. With labelling field. Size of labelling field: 60.2 x 9.2 mm.		
	future® 1)		
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
85 manhattan/graphite *)	1803-02-85	1710-0-3182	10
89 stone/lightgre y *)	1803-02-89	1710-0-3437	10
	future® 1) inear 1)		
81 anthracite *)	1803-02-81	1710-0-3615	10
82 savanna/ivory white	1803-02-82	1710-0-3146	10
83 aluminiumsi lver 2)	1803-02-83	1710-0-3610	10/100
84 davos/studio white	1803-02-84	1710-0-3164	10/100
89 stone/lightgre y *)	1803-02-89	1710-0-3437	10
	solo®		
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
85 manhattan/graphite *)	1803-02-85	1710-0-3182	10
86 samoa/light green *)	1803-02-86	1710-0-3200	10
87 toscana/purple	1803-02-87	1710-0-3218	10
88 attica/pigeon blue *)	1803-02-88	1710-0-3236	10
803 meteor/grey metallic	1803-02-803	1710-0-3853	10
815 sahara/yellow	1803-02-815	1710-0-3833	10
	Busch-axcent® 1)		
84 davos/studio white	1803-02-84	1710-0-3164	10/100
	carat®		
81 anthracite *)	1803-02-81	1710-0-3615	10
82 savanna/ivory white	1803-02-82	1710-0-3146	10
84 davos/studio white	1803-02-84	1710-0-3164	10/100
	pure stainless steel 1)		
866 stainlesssteel	1803-02-866	1710-0-3764	10/100

1) See labelling sheet 1799 xx.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Telephone unit connection box 6 F+N For 1 telephone or 1 transmission unit (e.g. fax, answering machine, modem etc.) 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0241/02	0230-0-0385	10
alpinewhi te	0241/04	0230-0-0386	10
black	0241/05	0230-0-0387	10

Product	Article-No.	Order-No.	Pack/Qty
	Telephone unit connection box 2x6/6 NFF For 2 telephones and 1 auxiliary device or 1 data transmission unit (e.g. fax, answering machine, modem etc.) 2 x 6/6 pole for 2 subscriber lines. Design in accordance with DIN 41715. Screw contacts with claw		
white	0242/02	0230-0-0388	10
alpine white	0242/04	0230-0-0389	10
black	0242/05	0230-0-0390	10


Product	Article-No.	Order-No.	Pack/Qty
	Telephone unit connection box 3x6 NFN For 1 telephone and 2 auxiliary devices or 2 data transmission units (e.g. fax, answering machine, modem etc.) 3 x 6 pole for 1 subscriber line. Design in accordance with DIN 41715. Screw contacts with claw		
white	0243/02	0230-0-0391	10
alpine white	0243/04	0230-0-0392	10
black	0243/05	0230-0-0393	10

Product	Article-No.	Order-No.	Pack/Qty
	Universal data connection box 8(6)/ telephone unit 6F+N - connection box 1) 2 x 6-pole with straight outlet, with screw contacts, Universal data-connection boxes: RJ 11/12, ISDN capable Cat. 3 in acc. with IEC 603-7/German Standard DIN EN 60603-7, Telecommunication outlet (telephone unit): for 1 telephone, 1 auxiliary device or 1 data transmission unit, with claw		
white	UAE 8(6)TAE 6 F+N	0230-0-0381	10/100


1) Suitable for cover plate 2539-xxx, 1766-xxx and 1746-2xx-FN.



Product	Article-No.	Order-No.	Pack/Qty
	Loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm ² . with claw		
anthracite	0247	0230-0-0382	10

1) Suitable for cover telephone unit 1766-xxx and 2539-21x.


Product	Article-No.	Order-No.	Pack/Qty
	Stereo loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
anthracite	0248	0230-0-0383	10

1) Suitable for cover telephone unit 1766-xxx and 2539-21x.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).</p>	Busch-Duro 2000®SI		
	212 white	2539-212	1724-0-0434 10/100
214 alpinewhi te	Reflex SI 2539-214	1724-0-0913 10/100	

 <p>Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).</p>	<i>alpha exclusive</i> ®		
	22G ivory	1766-22G	1710-0-2496 10
24G studiowhi te	1766-24G	1753-0-7743 10	
233 amber *)	1766-233	1710-0-3362 10/100	
255 obsidian *)	1766-255	1710-0-3388 10/100	
260 palladium *)	1766-260	1710-0-3310 10/100	
266 titanium *)	1766-266	1710-0-3336 10/100	
	<i>alpha nea</i> ®		
20 platinum *)	1766-20	1753-0-2629 10	
21 bronze *)	1766-21	1753-0-2637 10	
22G ivory	1766-22G	1710-0-2496 10	
24 studiowhi te	1766-24	1753-0-2645 10	
24G studiowhi te	1766-24G	1753-0-7743 10	
26 brown *)	1766-26	1753-0-0020 10	
28 hansabl ue *)	1766-28	1753-0-7768 10	
 <p><i>impuls</i></p>			
	71 brilliantbl ack *)	1766-71	1753-0-0912 10
72 ivory	1766-72	1753-0-0055 10	
74 alpinewhi te	1766-74	1753-0-4989 10	
79 champagne metallic *)	1766-79	1753-0-5465 10	
777 blackberry	1766-777	1753-0-0116 10	
783 aluminiumsi lver *)	1766-783	1753-0-0056 10	

1) Realm etal surface.
2) Surface painted.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).</p>	future®		
	82 savanna/ivory white	1766-82	1710-0-3144 10/100
84 davos/studio white	1766-84	1710-0-3162 10/100	
85 manhattan/ graphite *)	1766-85	1710-0-3180 10/100	
89 stone/light grey *)	1766-89	1710-0-3435 10/100	
	future® linear		
81 anthracite *)	1766-81	1710-0-3613 10	
82 savanna/ivory white	1766-82	1710-0-3144 10/100	
83 aluminium silver *)	1766-83	1710-0-3659 10/100	
84 davos/studio white	1766-84	1710-0-3162 10/100	
89 stone/light grey *)	1766-89	1710-0-3435 10/100	
	solo®		
82 savanna/ivory white	1766-82	1710-0-3144 10/100	
84 davos/studio white	1766-84	1710-0-3162 10/100	
85 manhattan/ graphite *)	1766-85	1710-0-3180 10/100	
86 samoa/light green *)	1766-86	1710-0-3198 10	
87 toscana/purple	1766-87	1710-0-3216 10	
88 attica/pigeon blue *)	1766-88	1710-0-3234 10	
803 meteor/grey metallic	1766-803	1710-0-3854 10	
815 sahara/yellow	1766-815	1710-0-3834 10	
	Busch-axcent®		
84 davos/studio white	1766-84	1710-0-3162 10/100	
	carat®		
81 anthracite *)	1766-81	1710-0-3613 10	
82 savanna/ivory white	1766-82	1710-0-3144 10/100	
84 davos/studio white	1766-84	1710-0-3162 10/100	
	pure stainless steel		
866 stainless steel	1766-866	1710-0-3765 10/100	

1) Surface painted.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	<i>alpha exclusive®</i>		
22G ivory	1746-22GFN	1710-0-2488	10
24G studiowhi te	1746-24GFN	1753-0-7719	10
233 amber *)	1746-233FN	1710-0-3363	10
255 obsidian *)	1746-255FN	1710-0-3389	10
260 palladium	1746-260FN	1710-0-3311	10
266 titanium 2)	1746-266FN	1710-0-3337	10
	<i>alpha nea®</i>		
20 platinum	1746-20FN	1753-0-1753	10
21 bronze	1746-21FN	1753-0-1761	10
22G ivory	1746-22GFN	1710-0-2488	10
24 studiowhi te	1746-24FN	1753-0-1779	10
24G studiowhi te	1746-24GFN	1753-0-7719	10
26 brown *)	1746-26FN	1753-0-0018	10
28 hansabl ue *)	1746-28FN	1753-0-7735	10
	1) See inserts telephone unit . 2) Realm etal surface. *) Phase-outt ype		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) Socket outlet Quante telephone socket (TDO)		
	Busch-Duro 2000®SI		
212 white	1762-212-506	1724-0-0269	10/100
	Reflex SI		
214 alpinewhi te	1762-214-506	1724-0-1705	10/100
	1) Suitable insert: TDO 3x 10 OUP (for 1 telephone and 2 auxiliary devices). 2) Fig.s imilar.		

Product	Article-No.	Order-No.	Pack/Qty
	Standard cover plate 1) 50 x 50 mm, For Quante telephone socket (TDO). Usable only in combination with adapter ring without hinged lid Art. No. 1746-212-101, 1746/10-22G and adapter ring with hinged lid Art. No. 1746-2x-101.		
212 white	1759-506	1724-0-0426	10
	1) See Adapter rings for 50 x 50 mm covers.		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). can be knocked out for single or double connection.		
	Busch-Duro 2000®SI		
212 white	2536-212	1724-0-0244	10
	Reflex SI		
214 alpinewhi te	2536-214	1724-0-0921	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for telephone connector boxes (VDo). Can be knocked out for single or double connection.		
	future®		
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
85 manhattan/ graphite *)	1745-85	1710-0-3191	10
89 stone/light grey *)	1745-89	1710-0-3446	10
	future®linear		
81 anthracite *)	1745-81	1710-0-3624	10
82 savanna/ivory white	1745-82	1710-0-3155	10
83 aluminium silver 1)	1745-83	1710-0-3675	10
84 davos/studio white	1745-84	1710-0-3173	10
89 stone/light grey *)	1745-89	1710-0-3446	10
	solo®		
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
85 manhattan/ graphite *)	1745-85	1710-0-3191	10
86 samoa/light green *)	1745-86	1710-0-3209	10
87 toscana/purple	1745-87	1710-0-3227	10
88 attica/pigeon blue *)	1745-88	1710-0-3245	10
803 meteor/grey metallic	1745-803	1710-0-3855	10
815 sahara/yellow	1745-815	1710-0-3835	10
	Busch-axcent®		
84 davos/studio white	1745-84	1710-0-3173	10
	carat®		
81 anthracite *)	1745-81	1710-0-3624	10
82 savanna/ivory white	1745-82	1710-0-3155	10
84 davos/studio white	1745-84	1710-0-3173	10
	pure stainless steel		
866 stainless steel	1745-866	1710-0-3766	10
	1) Surface painted. *) Phase-outt ype		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate Suitable for telecommunication (ADo), telephone sockets, as well as for teletypewriter, data transfer devices and modem plugs.		
	Busch-Duro 2000® SI		
212 white	2535-212	1724-0-0236	10
	Reflex SI		
214 alpine white	2535-214	1724-0-0905	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
	future®		
82 savanna/ivory white	2533-82	1724-0-4255	10
84 davos/studio white	2533-84	1724-0-4256	10
85 manhattan/graphite *)	2533-85	1724-0-4257	10
89 stone/lightgrey *)	2533-89	1724-0-4258	10
	future®|inear		
81 anthracite *)	2533-81	1724-0-4254	10
82 savanna/ivory white	2533-82	1724-0-4255	10
83 aluminiumsilver *)	2533-83	1724-0-4261	10
84 davos/studio white	2533-84	1724-0-4256	10
89 stone/lightgrey *)	2533-89	1724-0-4258	10
	carat®		
81 anthracite *)	2533-81	1724-0-4254	10
82 savanna/ivory white	2533-82	1724-0-4255	10
84 davos/studio white	2533-84	1724-0-4256	10
	purestainlesssteel		
866 stainlesssteel	2533-866	1724-0-4270	10

1) Surface painted.
*) Phase-out type


	Satellite co-axial outlets Broadband technology 5-2.400 MHz For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	2 connectors/dead-end feeder		
	0230-101	0230-0-0250	10/100
	2 connectors/loop through type		
	0231-101	0230-0-0268	10

	Satellite co-axial outlets Radio/TV/SAT 3gang dead-end feeder broadband technology 47-2.150MHz. SAT connection designed as screwable F-male plug. with remote feed via F-bush For DVB-T and broadband-cable-systems. For analog and digital transmission. with claw		
	0232-101	0230-0-0384	10/100


	Terminating resistor 75 Ohm		
	0239	0230-0-0201	10/100


Product	Article-No.	Order-No.	Pack/Qty
	TV outlet 1) Single, non isolated for connection to a TV or FM co-axial aerial lead Rated frequency: 5-860 MHz BS 3041, IEC 60169-2		
212 white	1743-01-212-500	1724-0-2737	10
214 alpine white	1743-01-214-500	1724-0-2738	10

1) Fig. similar.


	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
	Busch-Duro 2000® SI		
212 white	2531-212	1724-0-0194	10/100
	Reflex SI		
214 alpine white	2531-214	1724-0-0897	10/100
215 black	2531-215	1724-0-1200	10

1) See inserts for satellite coaxial socket outlets.


	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. with M3 fixing screw.		
	alpha exclusive®		
22G ivory	1743-22G	1710-0-2454	10
24G studio white	1743-24G	1753-0-7628	10
233 amber *)	1743-233	1724-0-2801	10/100
255 obsidian *)	1743-255	1724-0-2806	10/100
260 palladium 2)	1743-260	1724-0-2791	10/100
266 titanium 2)	1743-266	1724-0-2796	10/100
	alpha nea®		
20 platinum 2)	1743-20	1753-0-1126	10
21 bronze 2)	1743-21	1753-0-1449	10
22G ivory	1743-22G	1710-0-2454	10
24 studio white	1743-24	1753-0-1589	10
24G studio white	1743-24G	1753-0-7628	10
26 brown *)	1743-26	1753-0-0016	10
28 hansa blue *)	1743-28	1753-0-7644	10

	impuls		
71 brilliant black *)	1743-71	1753-0-0581	10
72 ivory	1743-72	1753-0-0039	10
74 alpine white	1743-74	1753-0-4963	10
79 champagne metallic 3)	1743-79	1753-0-5440	10
777 blackberry	1743-777	1753-0-0109	10
783 aluminium silver 3)	1743-783	1753-0-0040	10



1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for standard Radio/TV/SAT socket outlets. With 2 connectors DIN 45330. Radio/TV/SAT. with M3 fixing screw.		
	future®		
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
85 manhattan/graphite *)	1743-85	1724-0-2763	10
89 stone/lightgrey *)	1743-89	1724-0-2830	10
	future® linear		
81 anthracite *)	1743-81	1724-0-4252	10
82 savanna/ivory white	1743-82	1724-0-2758	10
83 aluminiumsilver 3)	1743-83	1724-0-4262	10
84 davos/studio white	1743-84	1724-0-2774	10/100
89 stone/lightgrey *)	1743-89	1724-0-2830	10
	solo®		
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
85 manhattan/graphite *)	1743-85	1724-0-2763	10
86 samoa/light green *)	1743-86	1724-0-2766	10
87 toscana/purple	1743-87	1724-0-2769	10
88 attica/pigeon blue *)	1743-88	1724-0-2772	10
803 meteor/grey metallic	1743-803	1724-0-4291	10
815 sahara/yellow	1743-815	1724-0-4288	10
	Busch-axcent®		
84 davos/studio white	1743-84	1724-0-2774	10/100
	carat®		
81 anthracite *)	1743-81	1724-0-4252	10
82 savanna/ivory white	1743-82	1724-0-2758	10
84 davos/studio white	1743-84	1724-0-2774	10/100
	purest ainlessteel		
866 stainlesssteel	1743-866	1724-0-4271	10/100

- 1) Third opening can be knocked out.
2) See inserts for satellite coaxial socket outlets.
3) Surface painted.
*) Phase-out type

	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
	Busch-Duro 2000®SI		
212 white	1743-03-212	1724-0-1747	10/100
	Reflex SI		
214 alpinewhite	1743-03-214	1724-0-1754	10/100

- 1) See inserts for satellite coaxial socket outlets.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
	alpha nea®		
20 platinum 2)	1743-03-20-101	1724-0-2747	10
21 bronze 2)	1743-03-21-101	1724-0-2748	10
22G ivory	1743-03-22G	1724-0-2463	10
24 studio white	1743-03-24	1724-0-1853	10
24G studio white	1743-03-24G	1724-0-1911	10
26 brown *)	1743-03-26	1724-0-2869	10
28 hansa blue *)	1743-03-28	1724-0-1937	10
	alpha exclusive®		
22G ivory	1743-03-22G	1724-0-2463	10
24G studio white	1743-03-24G	1724-0-1911	10
233 amber *)	1743-03-233	1724-0-2802	10
255 obsidian *)	1743-03-255	1724-0-2807	10
260 palladium 2)	1743-03-260	1724-0-2792	10/100
266 titanium 3)	1743-03-266	1724-0-2797	10/100
	impuls		
	Cover plate 1) As cover for standard Radio/TV/SAT socket outlets. With 3 connectors. Radio/TV/SAT. with M3 fixing screw.		
71 brilliant black *)	1743-03-71	1753-0-0730	10
72 ivory	1743-03-72	1753-0-0036	10
74 alpine white	1743-03-74	1753-0-4773	10
79 champagne metallic 3)	1743-03-79	1753-0-5846	10
777 blackberry	1743-03-777	1753-0-0108	10
783 aluminium silver 3)	1743-03-783	1753-0-0038	10


- 1) See inserts for satellite coaxial socket outlets.
2) Real metal surface.
3) Surface painted.
*) Phase-out type

	Cover plate 1) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet EVU 02 F, GEVU 15 S from Hirschmann. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
	Busch-Duro 2000® SI 2)		
212 white	1743-04-212	1753-0-8626	10
	Reflex SI 3)		
214 alpine white	1743-04-214	1753-0-8642	10


- 1) See adapter ring 1746/10x.
2) Suitable for programs Busch-Duro 2000® SI: -212, alpha nea®, alpha exclusive®: -22G, future®, future® linear, carat®: -82, impuls: -72.
3) Compatible with ranges Reflex SI: Colour 214, alpha nea®, alpha exclusive®: Colour 24G, Busch-axcent®, future®, future® linear, carat®: Colour 84 and impuls: Colour 74.

	Cover plate 1) 50 x 50 mm, As cover for 4gang Satellite co-axial socket outlet SAT400/ EAS/DC, EAS 405, 413 DAS from Ankaro. Only suitable with adapter ring Art. No. 1746-... , in the design without hinged lid.		
	Busch-Duro 2000® SI 2)		
212 white	1743/10-04-212	1753-0-8634	10
	Reflex SI 3)		
214 alpine white	1743/10-04-214	1753-0-8659	10


- 1) See adapter ring 1746/10x.
2) Suitable for programs Busch-Duro 2000® SI: -212, alpha nea®, alpha exclusive®: -22G, future®, future® linear, carat®: -82, impuls: -72.
3) Compatible with ranges Reflex SI: Colour 214, alpha nea®, alpha exclusive®: Colour 24G, Busch-axcent®, future®, future® linear, carat®: Colour 84 and impuls: Colour 74.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With labelling field With down-leading outlet. For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
	Busch-Duro 2000®SI		
212 white	1801-212	1753-0-8154	10
	Reflex SI		
214 alpinewhi te	1801-214	1753-0-8162	10

1) Lettering sheets 1799, 1799 05 and lettering software.


	Cover plate 1) With labelling field With down-leading outlet. For covering IBM ACS/Reichle & De-Massari inserts to accommodate 1801 EB-10 or 1801 EB-16. Size of labelling field: 41.5 x 10 mm. Without claw.		
	<i>alpha exclusive®</i>		
22G ivory	1801-22G	1710-0-2629	10
24G studiowhi te	1801-24G	1710-0-2694	10
233 amber *)	1801-233	1710-0-3371	10
255 obsidian *)	1801-255	1710-0-3397	10
260 palladium 2)	1801-260	1710-0-3319	10
266 titanium 2)	1801-266	1710-0-3345	10
	<i>alpha nea®</i>		
20 platinum 3)	1801-20	1753-0-9251	10
21 bronze 2)	1801-21	1753-0-9269	10
22G ivory	1801-22G	1710-0-2629	10
24 studiowhi te	1801-24	1753-0-8139	10
24G studiowhi te	1801-24G	1710-0-2694	10
26 brown *)	1801-26	1753-0-0023	10
28 hansabl ue *)	1801-28	1753-0-9293	10

1) Lettering sheets 1799, 1799 05 and lettering software.
2) Surface painted.
3) Real metal surface.
*) Phase-out type


	Module carrier For Art. No. 1801-...		
alpinewhi te	1801EB -10	1764-0-0323	200
anthracite	1801EB -16	1764-0-0331	1

	Cover plate 1) 2) With labelling field With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LVLL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
	Busch-Duro 2000®SI		
212 white	1802-212	1753-0-8170	10
	Reflex SI		
214 alpinewhi te	1802-214	1753-0-8188	10

1) Lettering sheets 1799, 1799 05 and lettering software.
2) Thomas & Betts Clips, 025-1099-1BK (black), IBM 58 G 6873, 025-1099-1W (white), IBM 58 G 6965, IBM MiniC Clips, 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) With labelling field With down-leading outlet. For IBM ACS/Thomas & Betts inserts and IBM MiniC. For RJ, Cat. 5, LVLL ST and SMA, NEVADA WESTERN/OMNI 5, IBM MiniC. Can be used only in conjunction with installation clips from IBM or Thomas & Betts. With the LexCom adapter 306 580 030 suitable for LexCom connection modules Cat. 5e UTP and Cat. 6 STP. Size of labelling field: 41.5 x 10 mm. Without claw.		
	<i>alpha exclusive®</i>		
22G ivory	1802-22G	1710-0-2637	10
24G studio white	1802-24G	1710-0-2702	10
233 amber *)	1802-233	1710-0-3372	10
255 obsidian *)	1802-255	1710-0-3398	10
260 palladium 3)	1802-260	1710-0-3320	10
266 titanium 3)	1802-266	1710-0-3346	10
	<i>alpha nea®</i>		
20 platinum 4)	1802-20	1753-0-9335	10
21 bronze 3)	1802-21	1753-0-9343	10
22G ivory	1802-22G	1710-0-2637	10
24 studio white	1802-24	1753-0-8147	10
24G studio white	1802-24G	1710-0-2702	10
26 brown *)	1802-26	1753-0-0024	10
28 hansa blue *)	1802-28	1753-0-9376	10

1) Lettering sheets 1799, 1799 05 and lettering software.
2) Thomas & Betts Clips, 025-1099-1BK (black), IBM 58 G 6873, 025-1099-1W (white), IBM 58 G 6965, IBM MiniC Clips, 51 H 7903 (black), 51 H 7904 (white), 51 H 7961 (cream)
3) Surface painted.
4) Real metal surface.
*) Phase-out type

	Cover plate 1) With labelling field For modular jack with slide entrance. To fit only Art. No. 1810, 1812, 1814, 1816 and 1818. Size of labelling field: 41.5 x 10 mm.		
	Busch-Duro 2000® SI		
212 white	1800-212	1753-0-8022	10/100
	Reflex SI		
214 alpine white	1800-214	1753-0-8030	10/100

1) Lettering sheets 1799, 1799 05 and lettering software.

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate 1)
With labelling field**
For modular jack with slide entrance.
To fit only Art. No. 1810, 1812, 1814, 1816 and 1818.
With labelling field 41.5 x 10 mm.

alpha exclusive®

22G ivory	1800-22G	1710-0-2645	10
24G studiowhi te	1800-24G	1710-0-2710	10
233 amber *)	1800-233	1710-0-3370	10
255 obsidian *)	1800-255	1710-0-3396	10
260 palladium 2)	1800-260	1710-0-3318	10
266 titanium 2)	1800-266	1710-0-3344	10

alpha nea®

20 platinum 2)	1800-20	1753-0-9178	10
21 bronze 2)	1800-21	1753-0-9186	10
22G ivory	1800-22G	1710-0-2645	10
24 studiowhi te	1800-24	1753-0-8121	10
24G studiowhi te	1800-24G	1710-0-2710	10
26 brown *)	1800-26	1753-0-0022	10
28 hansabl ue *)	1800-28	1753-0-9210	10



impuls

71 brilliantbl ack *)	1800-71	1710-0-1704	10
72 ivory	1800-72	1753-0-0081	10
74 alpinewhi te	1800-74	1753-0-8667	10
79 champagne metallic 2)	1800-79	1753-0-8691	10
77 blackberry	1800-777	1753-0-0127	10
783 aluminiumsi lver 2)	1800-783	1753-0-0082	10

1) Lettering sheets 1799, 1799 05 and lettering software.

2) Surface painted.

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate 1)
With labelling field**
For modular jack with slide entrance.
To fit only Art. No. 1810, 1812, 1814, 1816 and 1818.
Size of labelling field: 60.2 x 9.2 mm.

future®

82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10
85 manhattan/graphite *)	1800-85	1710-0-3194	10
89 stone/light grey *)	1800-89	1710-0-3449	10

future® linear

81 anthracite *)	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
83 aluminium silver 2)	1800-83	1710-0-3676	10
84 davos/studio white	1800-84	1710-0-3176	10
89 stone/light grey *)	1800-89	1710-0-3449	10

solo®

82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10
85 manhattan/graphite *)	1800-85	1710-0-3194	10
86 samoa/light green *)	1800-86	1710-0-3212	10
87 toscana/purple	1800-87	1710-0-3230	10
88 attica/pigeon blue *)	1800-88	1710-0-3248	10
803 meteor/grey metallic	1800-803	1710-0-3856	10
815 sahara/yellow	1800-815	1710-0-3836	10

Busch-axcent®

84 davos/studio white	1800-84	1710-0-3176	10
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carat®

81 anthracite *)	1800-81	1710-0-3627	10
82 savanna/ivory white	1800-82	1710-0-3158	10
84 davos/studio white	1800-84	1710-0-3176	10

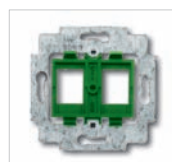
pure stainless steel

866 stainless steel	1800-866	1710-0-3767	10
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1) Labelling sheets 1799 18 and labelling software.

2) Surface painted.


*) Phase-out type




**Supporting frame 1)
With green insert**
For 2 modular jack inserts.
For systems: AVAYA (AT&T / Lucent Technologies), Giga Speed, PowerSUM, MGS 300 BH-xx, M1 BH-xx, MPS 100E-xx
With R&M adapter R310694 suitable for R&M connection modules R305111, R305112, R305113 and R305114.
Pitch dimensions: (WxH) approx. 16.9 x 17.9 mm
Without claw.

1810	1753-0-8048	10/100
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1) For further information, please refer on the Internet.

Product	Article-No.	Order-No.	Pack/Qty
	Supporting frame ¹⁾ With red insert For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. For systems: AMP / tyco Electronics, BTR, Krone, Panduit, Quante, Radiall, Setec, Dr.-Ing. Sieger, Telena, Thomas & Betts For 2 fiber optic modules of the following types: 3M-Volition, Krone, mvk Pitch dimensions: (WxH) approx. 14.8 x 19.4 mm Without claw.		
	1812	1753-0-8055	10/100


1) For further information, please refer on the Internet.

	Supporting frame ¹⁾ With black insert For MTRJ or 2 modular jack inserts. For systems: Ackermann, AMP / tyco Electronics (Slim Line (SL) -SM 2gang/switches: 110Connect Jacks, Toolless Jacks / Standard 110Connect Jacks), Brand-Rex, Combi-Net, EFB Electronic, Telena. For 2 fiber optic modules of the following types: AMP / tyco Electronics MTRJ. Pitch dimensions: (WxH) approx. 14.8 x 20.4 mm Without claw.		
	1814	1753-0-8063	10/100

1) For further information, please refer on the Internet.


	Supporting frame ¹⁾ With blue insert For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III. Pitch dimensions: (WxH) approx. 16.0 x 11.0 mm Without claw.		
	1816	1710-0-3100	10/100


1) For further information, please refer on the Internet.


	Universal module, RJ45, real Cat. 6a, shielded ¹⁾ 1gang For installation in installation adapter 0219/12 or 0219/13. Also suited for mounting into cover plate 2561 and bases 1812, 1866 EB, and 1867 EB. Cat. 6a (Category 6 augmented) in accordance with TIA/EIA-568-B.2-10 Draft 8.0. Up to 500 MHz on all pairs of wires. Suitable for 10-Gigabit Ethernet. For 8-pole plug RJ 45 only. Design according to E DIN IEC 60 603-7-5:2003-03. Housing made from diecast zinc. With integrated dust-protection cap (can be removed if necessary). Bend-radius optimised cable feed (30°). With insulation displacement connection Clearly colour-coded connection identification. For data cables with a diameter of 6 -10 mm. For wires of AWG 24-22. Protection class (Device): IP 21		
	NEW 0219	0230-0-0394	1/10


1) With assembly adapters appropriate for telephone unit cover plates 2539-21x and 1766-xxx.


	Flush-mounted assembly adapter For the accommodation of one or two universal modules 0219. For flush-mounted installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
	NEW 0219/12	0230-0-0395	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Channel assembly adapter For the accommodation of one or two universal modules 0219. For channel and under-floor installation. Suitable for telephone unit cover plates 2539-21x and 1766-xxx.		
	NEW 0219/13	0230-0-0396	1/10


	Modular-Jack insert 6-pole Cat. 3 (AMP-No. 216000-2) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm ² (AWG 26) to 0.35 mm ² (AWG 22).		
	0210	0225-0-0078	10


	Modular-Jack insert 8-pole Cat. 3 (AMP-No. 216005-4) For cover plate 2561- and insert 1812, 1866 built-in, 1867 built-in. For conductor cross-sections of 0.12 mm ² (AWG 26) to 0.35 mm ² (AWG 22).		
	0211	0225-0-0086	10

	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
	Busch-Duro 2000® SI		
	212 white	2561-212	1753-0-3825 10/100
		Reflex SI	
	214 alpine white	2561-214	1753-0-3833 10/100


	Cover plate With metal mounting plate For 1 modular jack insert. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
	<i>alpha exclusive®</i>		
	22G ivory	2561-22G	1710-0-2504 10
	24G studio white	2561-24G	1753-0-7776 10
	233 amber ^{*)}	2561-233	1710-0-3366 10
	255 obsidian ^{*)}	2561-255	1710-0-3392 10
	260 palladium ^{*)}	2561-260	1710-0-3314 10
	266 titanium ^{*)}	2561-266	1710-0-3340 10
	<i>alpha nea®</i>		
	20 platinum ^{*)}	2561-20	1753-0-3916 10
	21 bronze ^{*)}	2561-21	1753-0-3924 10
	22G ivory	2561-22G	1710-0-2504 10
	24 studio white	2561-24	1753-0-3932 10
	24G studio white	2561-24G	1753-0-7776 10
	26 brown ^{*)}	2561-26	1753-0-0028 10
	28 hansa blue ^{*)}	2561-28	1753-0-7792 10

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
	Busch-Duro 2000®SI		
212 white	2561-02-212	1753-0-3957	10/100
214 alpinewhi te	Reflex SI		
	2561-02-214	1753-0-3965	10

	Cover plate With metal mounting plate For 2 modular jack inserts. Suitable for Art. Nos. 0210, 0211, and 0219. Without claw.		
	<i>alpha exclusive</i> ®		
22G ivory	2561-02-22G	1710-0-2512	10
24G studiowhi te	2561-02-24G	1753-0-7800	10
233 amber *)	2561-02-233	1710-0-3367	10
255 obsidian *)	2561-02-255	1710-0-3393	10
260 palladium *)	2561-02-260	1710-0-3315	10
266 titanium *)	2561-02-266	1710-0-3341	10
<i>alpha nea</i> ®			
20 platinum *)	2561-02-20	1753-0-4047	10
21 bronze *)	2561-02-21	1753-0-4054	10
22G ivory	2561-02-22G	1710-0-2512	10
24 studiowhi te	2561-02-24	1753-0-4062	10
24G studiowhi te	2561-02-24G	1753-0-7800	10
26 brown *)	2561-02-26	1753-0-0027	10
28 hansabl ue *)	2561-02-28	1753-0-7826	10


1) Surface painted.
*) Phase-out type

	Intermediate ring For using round combi-devices (45 mm diameter) in cover frame.		
	Busch-Duro 2000®SI		
212 white	2519-212	1726-0-0066	10
214 alpinewhi te	Reflex SI		
	2519-214	1726-0-0025	10


	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	Busch-Duro 2000®SI		
212 white	1746-212-101	1726-0-0173	10/100
214 alpinewhi te	Reflex SI		
	1746-214-101	1726-0-0181	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	<i>alpha exclusive</i> ®		
22G ivory	1746/10-22G	1710-0-2652	10
24G studio white	1746/10-24G	1710-0-2744	10
233 amber *)	1746/10-233	1710-0-3364	10
255 obsidian *)	1746/10-255	1710-0-3390	10
260 palladium *)	1746/10-260	1710-0-3312	10
266 titanium *)	1746/10-266	1710-0-3338	10



<i>alpha nea</i> ®			
20 platinum *)	1746/10-20	1753-0-8550	10
21 bronze *)	1746/10-21	1753-0-8568	10
22G ivory	1746/10-22G	1710-0-2652	10
24 studio white	1746/10-24	1753-0-8576	10
24G studio white	1746/10-24G	1710-0-2744	10
26 brown *)	1746/10-26	1753-0-0017	10
28 hansa blue *)	1746/10-28	1753-0-8618	10

	<i>impuls</i>		
	1) Surface painted. *) Phase-out type		
71 brilliant black *)	1746/10-71	1753-0-3058	10
72 ivory	1746/10-72	1753-0-0041	10
74 alpine white	1746/10-74	1753-0-9046	10
79 champagne metallic *)	1746/10-79	1753-0-9079	10
777 blackberry	1746/10-777	1753-0-0110	10
783 aluminium silver *)	1746/10-783	1753-0-0042	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future®		
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
85 manhattan/graphite *)	1746/10-85	1710-0-3523	10
89 stone/lightgrey *)	1746/10-89	1710-0-3527	10
	future®|inear		
81 anthracite *)	1746/10-81	1710-0-3628	10
82 savanna/ivory white	1746/10-82	1710-0-3521	10
83 aluminiumsilver *)	1746/10-83	1710-0-3677	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
89 stone/lightgrey *)	1746/10-89	1710-0-3527	10
	solo®		
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
85 manhattan/graphite *)	1746/10-85	1710-0-3523	10
86 samoa/light green *)	1746/10-86	1710-0-3524	10
87 toscana/purple	1746/10-87	1710-0-3525	10
88 attica/pigeon blue *)	1746/10-88	1710-0-3526	10
803 meteor/grey metallic	1746/10-803	1710-0-3857	10
815 sahara/yellow	1746/10-815	1710-0-3837	10
	Busch-axcent®		
84 davos/studio white	1746/10-84	1710-0-3522	10/100
	carat®		
81 anthracite *)	1746/10-81	1710-0-3628	10
82 savanna/ivory white	1746/10-82	1710-0-3521	10
84 davos/studio white	1746/10-84	1710-0-3522	10/100
	pure stainless steel		
866 stainlesssteel	1746/10-866	1710-0-3768	10

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	alpha exclusive®		
22G ivory	1746-22G-101	1710-0-2470	10
24G studio white	1746-24G-101	1753-0-7685	10
233 amber *)	1746-233-101	1710-0-3365	10
255 obsidian *)	1746-255-101	1710-0-3391	10
260 palladium *)	1746-260-101	1710-0-3313	10
266 titanium *)	1746-266-101	1710-0-3339	10
	alpha nea®		
20 platinum *)	1746-20-101	1753-0-5978	10
21 bronze *)	1746-21-101	1753-0-5986	10
22G ivory	1746-22G-101	1710-0-2470	10
24 studio white	1746-24-101	1753-0-5994	10
24G studio white	1746-24G-101	1753-0-7685	10
26 brown *)	1746-26-101	1753-0-0019	10
28 hansa blue *)	1746-28-101	1753-0-7701	10
	impuls		
			
71 brilliant black *)	1746-71	1753-0-1324	10
72 ivory	1746-72	1753-0-0043	10
74 alpine white	1746-74	1753-0-4997	10
79 champagne metallic *)	1746-79	1753-0-5473	10
777 blackberry	1746-777	1753-0-0111	10
783 aluminium silver *)	1746-783	1753-0-0044	10

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring For fitting cover plates from the Busch-Duro 2000® SI and Reflex SI range.		
82 ivory	1747S I-82	1710-0-3862	10
84 davos/studio white	1747 SI-84	1710-0-3863	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With hinged lid. For telecommunication. With cover plate 50 x 50 mm, AMP, Brand-Rex, Rutenbeck, BTR, Telegärtner, etc.		
	future®		
82 savanna/ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
85 manhattan/graphite *)	1746-85	1710-0-3185	10
89 stone/lightgre y *)	1746-89	1710-0-3440	10
	future® i near		
81 anthracite *)	1746-81	1710-0-3618	10
82 savanna/ivory white	1746-82	1710-0-3149	10
83 aluminiumsi lver *)	1746-83	1710-0-3678	10
84 davos/studio white	1746-84	1710-0-3167	10
89 stone/lightgre y *)	1746-89	1710-0-3440	10
	solo®		
82 savanna/ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
85 manhattan/graphite *)	1746-85	1710-0-3185	10
86 samoa/light green *)	1746-86	1710-0-3203	10
87 toscana/purple	1746-87	1710-0-3221	10
88 attica/pigeon blue *)	1746-88	1710-0-3239	10
803 meteor/grey metallic	1746-803	1710-0-3858	10
815 sahara/yellow	1746-815	1710-0-3838	10
	Busch-axcent®		
84 davos/studio white	1746-84	1710-0-3167	10
	carat®		
81 anthracite *)	1746-81	1710-0-3618	10
82 savanna/ivory white	1746-82	1710-0-3149	10
84 davos/studio white	1746-84	1710-0-3167	10
	pure stainless steel		
866 stainlesssteel	1746-866	1710-0-3769	10


1) Surfacepai nted.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid *) 2) 3) For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118GK -32	1710-0-2272	10
34 alpinewhi te	2118GK -34	1710-0-1860	10/100
35 anthracite	2118GK -35	1710-0-1936	10


1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flush-mounted inserts

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid *) 2) 3) Lockable, differing locks For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKSL-32	1710-0-2298	10
34 alpine white	2118 GKSL-34	1710-0-1951	10
35 anthracite	2118 GKSL-35	1710-0-1977	10


1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flush-mounted inserts

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid *) 2) 3) 4) With labelling field Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKN-32	1710-0-2280	10
34 alpine white	2118 GKN-34	1710-0-1878	10
35 anthracite	2118 GKN-35	1710-0-1993	10


1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flush-mounted inserts
4) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring with hinged lid *) 2) 3) 4) Lockable, differing locks With labelling field. Labelling field 66.7 x 10 mm. For accommodating cover plates from the Busch-Duro 2000® SI program and Reflex SI, e.g. child protection socket outlets, equipotential, antenna, and ISDN socket outlets, etc. Delivery without cover plate. With sealing ring and 2 keys. IP 44 only in conjunction with cover frames All Weather 44®. Protection class (Device): IP 44		
32 white	2118 GKSLN-32	1710-0-2306	10
34 alpine white	2118 GKSLN-34	1710-0-1969	10
35 anthracite	2118 GKSLN-35	1710-0-1985	10


1) Combinable with: 2526-11-14, 20 EUC-..., 20 EUCRD-..., 20 EUCKS-..., 2310 EUGLVA-..., 20 EUCGL-..., 20 EUC/DV-..., 20 EUC-13-..., 20 EUC-14-..., 20 MUC-..., 20 MUCKS-..., 23 MUCKS-..., 20 MUCC-..., 3015 EUC-..., 3016 EUC-..., 2531-..., 1743-03-..., 2535-..., 2539-..., 1800-..., 1803-(2)-..., 2561-... 1746-...-101, 1768-..., 2549-..., 2147 -..., 2529-..., 2530-..., 2095 UC-...,
2) Combinable with cover plate 1746-...-101. 1743-04-..., 1743/10-04-... or data inserts with covers 50 x 50 mm, e.g. from Ackermann, Rutenbeck, BTR, Telegärtner.
3) Combinable only with covers for flush-mounted inserts
4) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With labelling field With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
	Busch-Duro 2000®SI		
212 white	1769-212	1753-0-8782	10
	Reflex SI		
214 alpinewhi te	1769-214	1753-0-8790	10


1) Labelling sheets 1799,1799 02 and labelling software.

	Cover plate 1) With labelling field With down-leading outlet. For AMP-ACO and Siemens ICCS/SML inserts. Only suitable for installation kit from: AMP/type ACO 0-1394763-1. Size of labelling field: 53 x 11 mm. Without claw.		
	<i>alpha exclusive®</i>		
22G ivory	1769-22G	1710-0-2678	10
24G studiowhi te	1769-24G	1710-0-2736	10
233 amber 1)	1769-233	1710-0-3369	10
255 obsidian 1)	1769-255	1710-0-3395	10
260 palladium 2)	1769-260	1710-0-3317	10
266 titanium 2)	1769-266	1710-0-3343	10
	<i>alpha nea®</i>		
20 platinum 3)	1769-20	1753-0-8832	10
21 bronze 2)	1769-21	1753-0-8840	10
22G ivory	1769-22G	1710-0-2678	10
24 studiowhi te	1769-24	1753-0-8857	10
24G studiowhi te	1769-24G	1710-0-2736	10
26 brown 1)	1769-26	1753-0-0021	10
28 hansabl ue 1)	1769-28	1753-0-8899	10

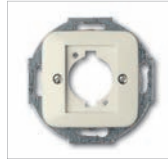
1) Labelling sheets 1799,1799 02 and labelling software.
2) Surface painted.
3) Real metal surface.
*) Phase-out type

	D-Type data connector 1) For fixation screws M3. With locking bolts.		
	9 pole		
	0200	0225-0-0011	50
	15 pole		
	0201	0225-0-0029	50
	25 pole		
	0202	0225-0-0037	50


1) Suitable for DCS insert Art. No. 1850 -1853 built-in.


	Cover plate With metal mounting plate As cover for 25-pole D-subminiature connectors. Without claw.		
	Busch-Duro 2000®SI 1)		
212 white	2549-212	1724-0-0616	10
	Reflex SI		
214 alpinewhi te	2549-214	1724-0-0962	10


1) Suitable for data connector 0202.

Product	Article-No.	Order-No.	Pack/Qty
	XLR centre plate 1) As cover for Neutrik data connectors, type FP. Without claw.		
	Busch-Duro 2000® SI		
212 white	2553-212	1724-0-0624	10
	Reflex SI		
214 alpine white	2553-214	1724-0-1127	10

1) See 2553-xxx.

	Cover plate With metal mounting plate loudspeaker inserts and cover. fixing claws Conductor cross-sections up to 4 mm ² rigid. With screw-type terminal.		
	Busch-Duro 2000® SI		
212 white	2147 U-212	1723-0-0063	10
	Reflex SI		
214 alpine white	2147 U-214	1723-0-0162	10
215 black	2147 U-215	1723-0-0170	10

	Cover plate With metal mounting plate loudspeaker inserts and cover. With screw-type terminal. Conductor cross-sections up to 4 mm ² rigid.		
	<i>alpha exclusive®</i>		
22G ivory	1751-22G	1723-0-0238	10
24G studio white	1751-24G	1723-0-0204	10
233 amber 1)	1751-233	1723-0-0247	10
255 obsidian 1)	1751-255	1723-0-0248	10
260 palladium 1)	1751-260	1723-0-0245	10/100
266 titanium 1)	1751-266	1723-0-0246	10
	<i>alpha nea®</i>		
20 platinum 1)	1751-20	1723-0-0113	10
21 bronze 1)	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24 studio white	1751-24	1723-0-0139	10
24G studio white	1751-24G	1723-0-0204	10
26 brown 1)	1751-26	1723-0-0250	10
28 hansa blue 1)	1751-28	1723-0-0220	10

	<i>impuls</i>		
71 brilliant black 1)	1751-71	1753-0-1423	10
72 ivory	1751-72	1753-0-0048	10
74 alpine white	1751-74	1753-0-4971	10
79 champagne metallic 2)	1751-79	1753-0-5457	10
777 blackberry	1751-777	1753-0-0113	10
783 aluminium silver 2)	1751-783	1753-0-0049	10

1) Real metal surface.
2) Surface painted
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With metal mounting plate**
fixing claws
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

	future®		
82	savanna/ivory white 1751-82	1723-0-0239	10
84	davos/studio white 1751-84	1723-0-0240	10/100
85	manhattan/graphite *) 1751-85	1723-0-0241	10
89	stone/lightgrey *) 1751-89	1723-0-0249	10
	future® linear		
81	anthracite *) 1751-81	1723-0-0253	10
82	savanna/ivory white 1751-82	1723-0-0239	10
83	aluminiumsilver *) 1751-83	1723-0-0254	10
84	davos/studio white 1751-84	1723-0-0240	10/100
89	stone/lightgrey *) 1751-89	1723-0-0249	10
	solo®		
82	savanna/ivory white 1751-82	1723-0-0239	10
84	davos/studio white 1751-84	1723-0-0240	10/100
85	manhattan/graphite *) 1751-85	1723-0-0241	10
86	samoa/light green *) 1751-86	1723-0-0242	10
87	toscana/purple 1751-87	1723-0-0243	10
88	attica/pigeon blue *) 1751-88	1723-0-0244	10
803	meteor/grey metallic 1751-803	1723-0-0257	10
815	sahara/yellow 1751-815	1723-0-0256	10
	Busch-axcent®		
84	davos/studio white 1751-84	1723-0-0240	10/100
	carat®		
81	anthracite *) 1751-81	1723-0-0253	10
82	savanna/ivory white 1751-82	1723-0-0239	10
84	davos/studio white 1751-84	1723-0-0240	10/100
	pure stainless steel		
866	stainlesssteel 1751-866	1723-0-0255	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With rotary control, with marking**
As a cover for volume controllers.
Suitable for the „LR mono BJ UP“ devices of WHD.

	future®		
82	savanna/ivory white 1740 DR/03-82	1710-0-3807	10
84	davos/studio white 1740 DR/03-84	1710-0-3808	10
85	manhattan/graphite *) 1740 DR/03-85	1710-0-3809	10
89	stone/lightgrey *) 1740 DR/03-89	1710-0-3810	10
	future® linear		
82	savanna/ivory white 1740 DR/03-82	1710-0-3807	10
83	aluminium silver *) 1740 DR/03-83	1710-0-3811	10
84	davos/studio white 1740 DR/03-84	1710-0-3808	10
89	stone/lightgrey *) 1740 DR/03-89	1710-0-3810	10
	pure stainless steel		
866	stainless steel 1740 DR/03-866	1710-0-3812	10

1) Surface painted.
*) Phase-out type



**Cover plate
With metal mounting plate**
For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329.
Knock-out openings 6, 8, 18 mm.

	Busch-Duro 2000® SI		
212	white 2530-212	1724-0-0186	10
	Reflex SI		
214	alpine white 2530-214	1724-0-1119	10




**Cover plate
With metal mounting plate**
For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329.
Knock-out openings 6, 8, 18 mm.


	alpha exclusive®		
22G	ivory 1748-22G	1710-0-2546	10
24G	studio white 1748-24G	1753-0-7891	10
233	amber *) 1748-233	1710-0-3375	10
255	obsidian *) 1748-255	1710-0-3401	10
260	palladium *) 1748-260	1710-0-3323	10
266	titanium *) 1748-266	1710-0-3349	10

	alpha nea®		
20	platinum *) 1748-20	1753-0-1167	10
21	bronze *) 1748-21	1753-0-1480	10
22G	ivory 1748-22G	1710-0-2546	10
24	studio white 1748-24	1753-0-1621	10
24G	studio white 1748-24G	1753-0-7891	10
28	hansa blue *) 1748-28	1753-0-7917	10

1) Real metal surface.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate For covering universal data communication connectors and circular connectors with screwed plug M 16x0.75 (installable in insert) in accordance with DIN 41524, 41529, 45322, 45327, 45328 and 45329. Knock-out openings 6, 8, 18 mm.		
	future®		
82 savanna/ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
85 manhattan/graphite *)	1748-85	1710-0-3657	10
89 stone/lightgrey *)	1748-89	1710-0-3658	10
	future® linear		
81 anthracite *)	1748-81	1710-0-3654	10
82 savanna/ivory white	1748-82	1710-0-3655	10
83 aluminiumsilver *)	1748-83	1710-0-3673	10
84 davos/studio white	1748-84	1710-0-3656	10
89 stone/lightgrey *)	1748-89	1710-0-3658	10
	carat®		
81 anthracite *)	1748-81	1710-0-3654	10
82 savanna/ivory white	1748-82	1710-0-3655	10
84 davos/studio white	1748-84	1710-0-3656	10
	pure stainless steel		
866 stainlesssteel	1748-866	1710-0-3760	10

1) Surface painted.
*) Phase-out type


	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	Busch-Duro 2000®SI		
212 white	2529-212	1710-0-0698	10
	Reflex SI		
214 alpine white	2529-214	1710-0-1076	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate As cover for BNC and TNC sockets. Knock-out openings 6, 8, 18 mm.		
	future®		
82 savanna/ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
85 manhattan/graphite *)	1750-85	1710-0-3184	10
89 stone/lightgrey *)	1750-89	1710-0-3439	10
	future® linear		
81 anthracite *)	1750-81	1710-0-3617	10
82 savanna/ivory white	1750-82	1710-0-3148	10
83 aluminiumsilver *)	1750-83	1710-0-3679	10
84 davos/studio white	1750-84	1710-0-3166	10
89 stone/lightgrey *)	1750-89	1710-0-3439	10
	solo®		
82 savanna/ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
85 manhattan/graphite *)	1750-85	1710-0-3184	10
86 samoa/light green *)	1750-86	1710-0-3202	10
87 toscana/purple	1750-87	1710-0-3220	10
88 attica/pigeon blue *)	1750-88	1710-0-3238	10
803 meteor/grey metallic	1750-803	1710-0-3859	10
815 sahara/yellow	1750-815	1710-0-3839	10
	Busch-axcent®		
84 davos/studio white	1750-84	1710-0-3166	10
	carat®		
81 anthracite *)	1750-81	1710-0-3617	10
82 savanna/ivory white	1750-82	1710-0-3148	10
84 davos/studio white	1750-84	1710-0-3166	10
	pure stainless steel		
866 stainless steel	1750-866	1710-0-3770	10


1) Surface painted.
*) Phase-out type

	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10,3 mm diameter. With strain relief (without terminal block).		
	Busch-Duro 2000® SI		
212 white	2527-212	1710-0-0623	10
	Reflex SI		
214 alpine white	2527-214	1710-0-0110	10


1) Cover plate can also be used individually as cover for telephone connector boxes (VDO).

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).			
	<i>alpha exclusive</i> [®]			
	22G ivory	1749-22G	1710-0-2561	10
	24G studiowhi te	1749-24G	1710-0-1209	10
	233 amber *)	1749-233	1710-0-3368	10
	255 obsidian *)	1749-255	1710-0-3394	10

260 palladium 2)	1749-260	1710-0-3316	10
266 titanium 2)	1749-266	1710-0-3342	10
<i>alpha nea</i> [®]			
20 platinum 2)	1749-20	1710-0-0904	10
21 bronze 2)	1749-21	1710-0-0946	10
22G ivory	1749-22G	1710-0-2561	10
24 studiowhi te	1749-24	1710-0-0979	10
24G studiowhi te	1749-24G	1710-0-1209	10
26 brown *)	1749-26	1710-0-3580	10
28 hansabl ue *)	1749-28	1710-0-1225	10

	<i>impuls</i>			
	71 brilliantblack *)	1749-71	1753-0-1928	10
	72 ivory	1749-72	1753-0-0046	10
	74 alpinewhi te	1749-74	1753-0-5002	10
	79 champagne metallic 3)	1749-79	1753-0-5481	10
	777 blackberry	1749-777	1753-0-0112	10
	783 aluminiumsilver 3)	1749-783	1753-0-0047	10

- 1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).
2) Real metal surface.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate 1) With metal mounting plate As cover for flex outlet, for cords up to 10.3 mm diameter. With strain relief (without terminal block).			
	<i>future</i> [®]			
	82 savanna/ivory white	1749-82	1710-0-3145	10
	84 davos/studio white	1749-84	1710-0-3163	10/100
	85 manhattan/graphite *)	1749-85	1710-0-3181	10
	89 stone/light grey *)	1749-89	1710-0-3436	10


<i>future</i> [®] linear			
81 anthracite *)	1749-81	1710-0-3614	10
82 savanna/ivory white	1749-82	1710-0-3145	10
83 aluminium silver 2)	1749-83	1710-0-3665	10
84 davos/studio white	1749-84	1710-0-3163	10/100
89 stone/light grey *)	1749-89	1710-0-3436	10


<i>solo</i> [®]			
82 savanna/ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100
85 manhattan/graphite *)	1749-85	1710-0-3181	10
86 samoa/light green *)	1749-86	1710-0-3199	10
87 toscana/purple	1749-87	1710-0-3217	10
88 attica/pigeon blue *)	1749-88	1710-0-3235	10
803 meteor/grey metallic	1749-803	1710-0-3844	10
815 sahara/yellow	1749-815	1710-0-3824	10


<i>Busch-axcent</i> [®]			
84 davos/studio white	1749-84	1710-0-3163	10/100
<i>carat</i> [®]			
81 anthracite *)	1749-81	1710-0-3614	10
82 savanna/ivory white	1749-82	1710-0-3145	10
84 davos/studio white	1749-84	1710-0-3163	10/100


<i>pure stainless steel</i>			
866 stainless steel	1749-866	1710-0-3752	10


- 1) Cover plate can also be used individually as cover for telephone connector boxes (VDo).
2) Surface painted.
*) Phase-out type

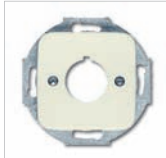
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
	Busch-Duro 2000 [®] SI		
212 white	2095 UC-212	2495-0-0026	10
Reflex SI			
214 alpine white	2095 UC-214	2495-0-0059	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Equipotential socket outlet 2gang Without claw. For connecting wires up to 1 x 6 mm ² and 4 x 2.5 mm ² . IEC 60601-1:2005; DIN EN 60601 (VDE 0750-1): July 2007 Connection bolts German Standard DIN 42801.		
	future®		
82 savanna/ivory white	2095UC-82	2495-0-0085	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
85 manhattan/graphite *)	2095UC-85	2495-0-0087	10
89 stone/lightgrey *)	2095 UC-89	2495-0-0088	10
	future®| inear		
81 anthracite *)	2095 UC-81	2495-0-0084	10
82 savanna/ivory white	2095 UC-82	2495-0-0085	10
83 aluminiumsilber *)	2095UC-83	2495-0-0089	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
89 stone/lightgrey *)	2095 UC-89	2495-0-0088	10
	carat®		
81 anthracite *)	2095 UC-81	2495-0-0084	10
82 savanna/ivory white	2095 UC-82	2495-0-0085	10
84 davos/studio white	2095 UC-84	2495-0-0086	10
	pure stainless steel		
866 stainlesssteel	2095UC-866	2495-0-0090	10
1) Surface painted. *) Phase-out type			

	Potential balancing plug Suitable for plug 2095 UC-212 and built-in jack 0471-0-0037 acc. to German Standard DIN 42801. For potential balancing jack cover plate (connection up to 6 mm ² crimped or soldered)		
	0299-0-0032	0299-0-0032	10

	Built-in jack For potential balancing jack cover plate and installation in cover plates. For devices of 19 mm diameter.		
	0471-0-0037	0471-0-0037	10

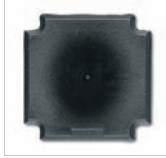
	Cover plate With metal mounting plate With screw-type terminal. As cover for devices with a diameter of 19 mm, especially for potential balancing jack 0471-0-0037. Without claw.		
	Busch-Duro 2000®SI		
212 white	2534-212	1724-0-0228	10
	Reflex SI		
214 alpinewhite	2534-214	1724-0-1168	10


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With metal mounting plate With screw-type terminal. Fixed with central locknut. As cover for pilot devices with a diameter of 22.5 mm Without claw.		
	Busch-Duro 2000® SI		
212 white	2533-212	1724-0-0210	10
	Reflex SI		
214 alpine white yellow	2533-214 2533-214-15	1724-0-1150 1724-0-2696	10 10/100


	FM box Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Upper part of housing and hinged lid made of diecast aluminium. Installation housing made from extra-durable high-performance plastic. Wall-flush installation. With 2 M 20 entries. Protection class (Device): IP 41		
grey	1705 U-101	1799-0-0913	10/10


	FM box 1) *) Suitable for wall installation. Combinable with socket fixing plate 1710...1714. Made of diecast aluminium. Wall-flush installation. 2 entries PG 16. Protection class (Device): IP 41		
grey	1705 U	1799-0-0493	10

1) Use adapter for metric pipes, e.g. Kleinhuis 1897P16M20 or 1897P16M25.
*) Phase-out type


	Socket fixing plate For FM case 1705 U-101.		
	For blank cover plate.		
	1710	1764-0-0224	10
	For diode jacks.		
	1711	1764-0-0232	10
	For 25-pole D-subminiature connectors.		
	1712	1764-0-0240	10
	For 2 modular jack inserts 0210 and 0211.		
	1713	1764-0-0257	10
	For XLR panel jacks, series D		
	1714	1764-0-0265	10

Product	Article-No.	Order-No.	Pack/Qty
	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	9-pole D-type data connector 1850 EB	1764-0-0018	10
	15-pole D-type data connector 1851EB	1764-0-0026	10/100
	25-pole D-Type data connector 1852EB	1764-0-0034	10/100
	XLR built-in jack Neutrik type FP 1853EB	1764-0-0042	10
	XLR built-in jack Neutrik type MP 1854EB	1764-0-0059	10
	2x BNC/TNC jacks for solder connection 1855EB	1764-0-0067	10/100
	BNC/TNC panel-type cable jack 1856EB	1764-0-0075	10
	2x BNC/TNC panel-type cable jack 1857EB	1764-0-0083	10
	2x BNC panel jacks 1858EB	1764-0-0091	10/100

	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	2x UHF jacks 1859 EB	1764-0-0109	10
	Panel-type diode jack for screw connection 1860EB	1764-0-0117	10
	Panel-type diode jack/plug 1861EB	1764-0-0125	10
	2x Panel-type diode jack/plug 1862EB	1764-0-0133	10
	UHF jacks 1863EB	1764-0-0141	10
	Twinax panel jack 1864EB	1764-0-0158	10
	2x Twinax panel jack 1865EB	1764-0-0166	10
	1x 6 and 8-pole modular jack, Cat 3, suitable for item nos. 0210, 0211, and 0219. 1866EB	1764-0-0174	10/100
	2x 6 and 8-pole modular jack, Cat 3, suitable for item nos. 0210, 0211, and 0219. 1867EB	1764-0-0182	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Socket fixing plate For cover plate and SM box 1758-... for communication devices.		
	Closed/blank plate. 1869 EB	1764-0-0208	10/100
	Bushing pockets for optical waveguides 2x Simplex ST 1870 EB	1764-0-0216	10/100
	2x 6 and 8-pole modular jack, Cat 3, suitable for AMP Nos. 555225 and 555235 1871 EB	1764-0-0273	10/100
	2x 6 and 8-pole modular jack, Cat. 5, unshielded, suitable for Lucent Technologies (formerly AT&T) unshielded Cat. 5/6, types: MPS 100E, MGS 200 1872 EB	1764-0-0281	10/100
	Bushing pockets for optical waveguides 2x Duplex SC 1874 EB	1764-0-0307	10/100
	2x 8-pole modular jack, Cat. 5E and Cat. 6, shielded/ unshielded, suitable for AMP nos. 569013-1, 569015-1, 1116515-1, 406372-1, 1375055-x, 1375188-x, 1375189-x, 1375191-x, and 1339015-1. ¹⁾ 1875 EB	1764-0-0315	10
	For communication devices from Neutrik: XLR panel jack/ plug, Series D - loudspeaker connectors, Speakon system. 1876 EB	1764-0-0332	10

1) Larger construction.

	Cover plate ¹⁾ With metal mounting plate for communication devices. with labelling field 53.7 x 11.7 mm. Without claw.		
	Busch-Duro 2000® SI		
	212 white 1758-212	1724-0-1002	10/100
214 alpine white 1758-214	Reflex SI 1724-0-1663	10/100	

1) Labelling sheets 1799, 1799 02, 1799 19 and labelling software.

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate 1)
With metal mounting plate**
for communication devices.
with labelling field 53.7 x 11.7 mm.
Without claw.

alpha exclusive®

22G ivory	1758-22G	1724-0-2513	10
24G studiowhi te	1758-24G	1724-0-2067	10
233 amber *)	1758-233	1724-0-2803	10
255 obsidian *)	1758-255	1724-0-2808	10
260 palladium 2)	1758-260	1724-0-2793	10
266 titanium 2)	1758-266	1724-0-2798	10

alpha nea®

20 platinum 2)	1758-20	1724-0-1010	10
21 bronze 2)	1758-21	1724-0-1028	10
22G ivory	1758-22G	1724-0-2513	10
24 studiowhi te	1758-24	1724-0-1036	10
24G studiowhi te	1758-24G	1724-0-2067	10
26 brown *)	1758-26	1724-0-2870	10
28 hansabl ue *)	1758-28	1724-0-2083	10



impuls

71 brilliantblack *)	1758-71	1753-0-1969	10
72 ivory	1758-72	1753-0-0053	10
74 alpinewhi te	1758-74	1753-0-5010	10
79 champagne metallic 2)	1758-79	1753-0-5499	10
777 blackberry	1758-777	1753-0-0115	10
783 aluminiumsilver 2)	1758-783	1753-0-0054	10

- 1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.
3) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate 1)
With metal mounting plate**
for communication devices.
With labelling field 60.2 x 10.2 mm.
Without claw.

future®

82 savanna/ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
85 manhattan/graphite *)	1758-85	1724-0-2764	10
89 stone/light grey *)	1758-89	1724-0-2831	10

future® linear

81 anthracite *)	1758-81	1724-0-4253	10
82 savanna/ivory white	1758-82	1724-0-2759	10
83 aluminium silver 2)	1758-83	1724-0-4263	10
84 davos/studio white	1758-84	1724-0-2761	10/100
89 stone/light grey *)	1758-89	1724-0-2831	10

solo®

82 savanna/ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100
85 manhattan/graphite *)	1758-85	1724-0-2764	10
86 samoa/light green *)	1758-86	1724-0-2767	10
87 toscana/purple	1758-87	1724-0-2770	10
88 attica/pigeon blue *)	1758-88	1724-0-2773	10
803 meteor/grey metallic	1758-803	1724-0-4292	10
815 sahara/yellow	1758-815	1724-0-4289	10

Busch-axcent®

84 davos/studio white	1758-84	1724-0-2761	10/100
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carat®

81 anthracite *)	1758-81	1724-0-4253	10
82 savanna/ivory white	1758-82	1724-0-2759	10
84 davos/studio white	1758-84	1724-0-2761	10/100

pure stainless steel

866 stainless steel	1758-866	1724-0-4272	10
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- 1) Labelling sheets 1799,1799 02,1799 19 and labelling software.
2) Surface painted.
*) Phase-out type




Box 1) 2) 3) 4) 5)

With labelling field

larger installation depth for data communication system,
suitable for DCS base 1850 built-in ... 1872 built-in and
1876 built-in,
With labelling field.
Labelling field 57.8 x 9.8 mm
Protection class (Device): IP 44
Installation depth: 45 mm

53 grey / blue-green	1758 WN-53	1724-0-2751	10
54 alpine white	1758 WN-54	1724-0-4264	10

- 1) Not suitable for DCS base 1874 (built-in), 1875 built-in
2) See lettering sheets 1799-13 and lettering software.
3) DCS base not included.
4) IP 44 only with closed hinged lid.
5) Not suited for universal modules 0219.


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For call module with call push button and plug contact. With red call push button. Suitable for Ackermann insert nos. 73071 E, 73071 E2, 73073 E, and 73075 A.		
	Busch-Duro 2000®SI		
212 white	2548-071E-212	1724-0-2711	10
214 alpinewhi te	Reflex SI		
	2548-071E-214	1724-0-2726	10


	Cover plate For call module with call push button and plug contacts. With red call push button. Suitable for Ackermann insert nos. 73071 D, 73071 D2, 73073 D, and 73075 B.		
	Busch-Duro 2000®SI		
212 white	2548-071D -212	1724-0-2710	10
214 alpinewhi te	Reflex SI		
	2548-071D -214	1724-0-2725	10


	Cover plate For call push button With red call push button. Suitable for Ackermann insert nos. 73022 A and 73022 A2.		
	Busch-Duro 2000®SI		
212 white	2548-022 A-212	1724-0-2702	10
214 alpinewhi te	Reflex SI		
	2548-022 A-214	1724-0-2717	10


	Cover plate As cover for call push button „doctor call“ With blue call push button. Suitable for Ackermann insert nos. 73022 A and 73022 A2.		
	Busch-Duro 2000®SI		
212 white	2548-022 AR-212	1724-0-2703	10
214 alpinewhi te	Reflex SI		
	2548-022 AR-214	1724-0-2718	10


	Cover plate For call push button with plug contact. With red call push button. Suitable for Ackermann insert No. 73022 B operating current and insert No. 73023 B stand-by current.		
	Busch-Duro 2000®SI		
212 white	2548-022B -212	1724-0-2709	10
214 alpinewhi te	Reflex SI		
	2548-022B -214	1724-0-2724	10


	Cover plate As cover for pull-cord switch. Suitable for Ackermann insert No. 70046 A3.		
	Busch-Duro 2000®SI		
212 white	2548-046 A-212	1724-0-2697	10
214 alpinewhi te	Reflex SI		
	2548-046 A-214	1724-0-2712	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for call unit as plug contacts. Suitable for Ackermann insert No. 73020 D operating current and 73021 D stand-by current.		
	Busch-Duro 2000® SI		
212 white	2548-020 D-212	1724-0-2698	10
214 alpine white	Reflex SI		
	2548-020 D-214	1724-0-2713	10




	Cover plate As cover for call unit as diagnostic/plug contact. Suitable for Ackermann insert No. 73020 E for operating and stand-by current systems.		
	Busch-Duro 2000® SI		
212 white	2548-020 E-212	1724-0-2700	10
214 alpine white	Reflex SI		
	2548-020 E-214	1724-0-2715	10

	Cover plate As cover for call unit as diagnostic plug contact. Suitable for Ackermann insert No. 73020 F for operating and stand-by current systems.		
	Busch-Duro 2000® SI		
212 white	2548-020 F-212	1724-0-2701	10
214 alpine white	Reflex SI		
	2548-020 F-214	1724-0-2716	10

	Cover plate As cover for call unit as diagnostic plug contacts. Suitable for Ackermann insert No. 73075 C, insert No. 73020 G operating current and insert No. 73021 G stand-by current.		
	Busch-Duro 2000® SI		
212 white	2548-021 G-212	1724-0-2699	10
214 alpine white	Reflex SI		
	2548-021 G-214	1724-0-2714	10

	Cover plate As cover for call/cancel button. With red call push button. With green cancel button. Suitable for Ackermann insert No. 73642 B and 73642 B2.		
	Busch-Duro 2000® SI		
212 white	2548-642 B-212	1724-0-2706	10
214 alpine white	Reflex SI		
	2548-642 B-214	1724-0-2721	10

	Cover plate As cover for cancel button with LED telltale lamp. With yellow cancel button. Suitable for Ackermann insert No. 73642 D.		
	Busch-Duro 2000® SI		
212 white	2548-642 D-212	1724-0-2705	10
214 alpine white	Reflex SI		
	2548-642 D-214	1724-0-2720	10

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate As cover for cancel button with LED telltale lamp With green cancel button. Suitable for Ackermann insert No. 73642 C.</p> <p>Busch-Duro 2000®SI</p>			
	212 white	2548-642C -212	1724-0-2704	10
 <p>Cover plate As cover for cancel button. With yellow and green cancel button. Suitable for Ackermann insert No. 73642 E.</p> <p>Busch-Duro 2000®SI</p>			
	212 white	2548-642E-212	1724-0-2708	10
214 alpinewhi te	2548-642C -214	1724-0-2719	10
214 alpinewhi te	2548-642E-214	1724-0-2723	10
 <p>Cover plate As cover for duty room unit. With green presence button. With white acknowledgement button. Suitable for Ackermann insert No. 73642 B and 73642 B2.</p> <p>Busch-Duro 2000®SI</p>			
	212 white	2548-642B D-212	1724-0-2707	10
214 alpinewhi te	2548-642B D-214	1724-0-2722	10

Further special types and covers are available for the "clino-opt 99®" system on request.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Blank plate Suitable for Ackermann insert No. 71197 A and bus end-band separation or spare unit system „clino opt 99®“ Ackermann insert No. 72642 B.</p> <p>Busch-Duro 2000® SI</p>			
	212 white	2548-212-50 A	1753-0-1019	10
214 alpine white	2548-214-50 A	1753-0-2389	10
 <p>Cover plate As cover for call push button with pneumatic operation. Suitable for Ackermann insert no. 70006 A operating current, 70006 B standby current, and 70006 C operating/standby current.</p> <p>Busch-Duro 2000® SI</p>			
	212 white	2548-212-52 P	1753-0-2116	10
214 alpine white	2548-214-52 P	1753-0-2876	10
 <p>Cover plate As cover for connector contact. Suitable for Ackermann insert No. 73020 C.</p> <p>Busch-Duro 2000® SI</p>			
	212 white	2548-212-52 A	1753-0-1027	10
214 alpine white	2548-214-52 A	1753-0-2348	10
 <p>Cover plate As cover for radio installation. Suitable for Ackermann insert No. 73120 A.</p> <p>Busch-Duro 2000® SI</p>			
	212 white	2548-212-53 A	1753-0-1035	10
214 alpine white	2548-214-53 A	1753-0-2355	10
 <p>Cover plate As cover for radio installation with small audio system Suitable for Ackermann insert nos. 73120 H and 73120 C.</p> <p>Busch-Duro 2000® SI</p>			
	212 white	2548-212-53 B	1753-0-2124	10
214 alpine white	2548-214-53 B	1753-0-2884	10


Light and sound call systems


TOTAL WALTHER ZETTLER® VarioLine

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for call push button for patients or WC call.		
	Busch-Duro 2000®SI		
212 white	1790-581-212	1710-0-2843	10
	Reflex SI		
214 alpinewhi te	1790-581-214	1710-0-2918	10
	Cover plate As cover for call push button: patient call/nurse emergency call and presence push button.		
	Busch-Duro 2000®SI		
212 white	1790-582-212	1710-0-2850	10
	Reflex SI		
214 alpinewhi te	1790-582-214	1710-0-2926	10
	Cover plate As cover for call push button: patient call, call-cancel button and universal plug-and-socket device.		
	Busch-Duro 2000®SI		
212 white	1790-583-212	1710-0-2868	10
	Reflex SI		
214 alpinewhi te	1790-583-214	1710-0-2934	10
	Cover plate As cover for call push button: patient call and universal plug-and-socket device.		
	Busch-Duro 2000®SI		
212 white	1790-584-212	1710-0-2876	10
	Reflex SI		
214 alpinewhi te	1790-584-214	1710-0-2942	10
	Cover plate As cover for universal plug-and-socket device. For connecting: keys with max. 2 call and 2 light push buttons, diagnosis and perfusion devices or automatic calling devices, e.g. switching watchdogs.		
	Busch-Duro 2000®SI		
212 white	1790-585-212	1710-0-2884	10
	Reflex SI		
214 alpinewhi te	1790-585-214	1710-0-2959	10
	Cover plate Neutral.		
	Busch-Duro 2000®SI		
212 white	1790-580-212	1710-0-2835	10
	Reflex SI		
214 alpinewhi te	1790-580-214	1710-0-2900	10


Light and sound call systems ZETTLER® 800 light call





Product	Article-No.	Order-No.	Pack/Qty
	Cover plate As cover for push button. Suitable for Zettler insert No. 110.001, 110.004, 110.008, 110.011 and 110.014.		
	Busch-Duro 2000® SI		
212 white	1790-001-212	1753-0-0177	10
	Reflex SI		
214 alpine white	1790-001-214	1753-0-2405	10
	Cover plate As cover for call push button with 6-pole connector contact. Suitable for Zettler insert No. 110.002.		
	Busch-Duro 2000® SI		
212 white	1790-002-212	1753-0-0268	10
	Reflex SI		
214 alpine white	1790-002-214	1753-0-2413	10
	Cover plate As cover for 4-pole connection unit and diagnostic call. Suitable for Zettler insert No. 110.040.		
	Busch-Duro 2000® SI		
212 white	1790-040-212	1753-0-0276	10
	Reflex SI		
214 alpine white	1790-040-214	1753-0-2421	10
	Cover plate As cover for call/cancel button, WC call. Suitable for Zettler insert No. 110.009.		
	Busch-Duro 2000® SI		
212 white	1790-009-212	1753-0-0284	10
	Reflex SI		
214 alpine white	1790-009-214	1753-0-2439	10
	Cover plate As cover for 28-pole connection unit and control covers. Suitable for Zettler insert 110.041.		
	Busch-Duro 2000® SI		
212 white	1790-041-212	1753-0-0292	10
	Reflex SI		
214 alpine white	1790-041-214	1753-0-2447	10
	Cover plate As cover for pneumatic push switch, with indicator. Suitable for Zettler insert No. 110.007.		
	Busch-Duro 2000® SI		
212 white	1790-007-212	1753-0-0755	10
	Reflex SI		
214 alpine white	1790-007-214	1753-0-2454	10


Product	Article-No.	Order-No.	Pack/Qty
	Socket outlet 3-pole, N, E with metal mounting plate rectangular Rated voltage: 415 V~ Rated current: 16 A 1)		
white RAL 1013	2064S RW-500	2510-0-0113	10/50
white RAL 1013	Round, 25 A 2365S RW	2520-0-0047	1/10
	Box for flush mounted socket outlet 2365 SR W 3095-1	1747-0-0062	100/100


1) For 70 mm wall box.


	Insulated Wall Box #df For Perilex socket outlet 2064 UG-101.		
	Insulated wall box		
	3064	2561-0-0017	10


	Socket outlet rectangular Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	2064 JW-500	2540-0-0045	10/100
white RAL 1013	Round, 25 A 2365JW	2550-0-0028	1/10

	Socket outlet With thermoplastic hinged lid rectangular PVC entry Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44		
grey RAL 7035	2064 AG	2581-0-0098	10/100

	Conduit adapter With central entry. Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	2364 KUW	2595-0-0023	10
grey RAL 7035	PVC, 16 A 2064K UPVC	2595-0-0080	10
black	Rubber, 16 A 2064K UGI	2595-0-0072	10

	Plug With central entry. Rated voltage: 415 V~ Rated current: 16 A		
white RAL 1013	2364 SW	2590-0-0024	100
grey RAL 7035	PVC, 16 A 2064S PVC	2590-0-0172	10

Product	Article-No.	Order-No.	Pack/Qty
	Plug With central entry. Material: rubber Rated voltage: 415 V~ Rated current: 16 A Protection class (Device): IP 44		
black	2064 SGI	2590-0-0149	10/50

	Angled plug With bend proof Rated voltage: 415 V~ Rated current: 16 A		
	Angle plug, 16 A		
white RAL 1013	2064 SWLW	2590-0-0164	10/100
white RAL 1013	Angle plug, 25 A 2365 SWLW	2591-0-0063	100

Product	Article-No.	Order-No.	Pack/Qty
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Combination socket outlet 1)
 Busch-Duro 2000®SI
 Rated voltage: 250 V~
 Rated current: 16 A

212 white **2334UC -212** 2310-0-0159 10

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Socket outlet 1)
 Rated voltage: 250 V~
 Rated current: 16 A

white RAL 1013 **2334JW** 2340-0-0024 10/100

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Plug 1)
 Lateral entry.
 Rated voltage: 250 V~
 Rated current: 16 A

white RAL 1013 **34 W-101** 2390-0-0060 20

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Socket outlet 1) 2)
 With hinged lid.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

grey **2334 AG** 2381-0-0010 10

1) IP 44 only with plug connector 34 WJ.
 2) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Plug 1)
 With rubber cover
 With central entry.
 Rated voltage: 250 V~
 Rated current: 16 A
 Protection class (Device): IP 44

black **34 WJ** 2390-0-0045 10/100

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.



Conduit adapter 1)
 Lateral entry.
 Rated voltage: 250 V~
 Rated current: 16 A

white RAL 1013 **2334 KUW** 2391-0-0027 10

1) Can be used for special systems in accordance with VDE 0100 G 7.76 paragraph 31 a 2.1 to ensure non-interchangeability.

Product	Article-No.	Order-No.	Pack/Qty
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Oven connection unit
 Connector blocks with 5 double terminals, removable.
 For commercially available boxes.
 Rated cross-section 2.5 mm²

alpine white **3741 UJ** 1712-0-0165 80



Flush mounted and SM oven connection unit
 Rated cross-section 2.5 mm²
 with break-proof lid and snap closure,
 Screw and claw fixation for 60 mm and 70 mm flush-mounted boxes,
 removable claw,
 Strain relief for cable up to 5 x 2.5 mm²

alpine white **3746 U-101** 1712-0-0182 5/60



Product	Article-No.	Order-No.	Pack/Qty
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**Hanging service module 1)
not included**
Box colour: black.
Covers: yellow.
Without cover plates.

black	0239-0-0012	0239-0-0012	1
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1) Components not provided by BJE.



**Hanging service module 1)
fitted with 4 SCHUKO® socket outlets with earthing
contact socket**
Box colour: black.
Covers: yellow.

black	0239-0-0038	0239-0-0038	1
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1) Prewired on 2 terminals.



Additional partition

yellow	0239-0-0053	0239-0-0053	1
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Cover
Perforated, diameter: 45 mm

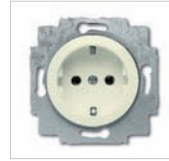
yellow	0239-0-0061	0239-0-0061	50
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yellow	0239-0-0079	0239-0-0079	50
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yellow	0239-0-0087	0239-0-0087	50
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chrome	0239-0-0095	0239-0-0095	10
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Product	Article-No.	Order-No.	Pack/Qty
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**SCHUKO® socket outlet with screwless terminal 1)
DP (2 P + E)**
For trunking installations of 45 mm diameter.
With circular cover plate.
Rated voltage: 250 V~
Rated current: 16 A

white	20 EUCO	2011-0-1458	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2)
With screwless terminal.
2 P + E
With cover 50 x 50 mm.
Suitable for cut-outs (50 x 50 mm) of the trunking covers
from Ackermann and Tehalit.
Rated voltage: 250 V~
Rated current: 16 A

212 white	20 EUCQ-212	2011-0-2720	10
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green (SV) RAL 6018	20 EUCQ-13-212	2011-0-2860	10
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orange (ZSV) RAL 2004	20 EUCQ-14-212	2011-0-2878	10
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1) Can only be used in SI frames with adapter 1746-...

2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.



SCHUKO® socket outlet 1) 2) 3)
With screwless terminal.
2 P + E
With cover 50 x 50 mm.
Suitable for cut-outs (50 x 50 mm) of the trunking covers
from Ackermann and Tehalit.
Rated voltage: 250 V~
Rated current: 16 A

214 alpine white	20 EUCQ-214	2011-0-2829	10
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217 red	20 EUCQ-217	2011-0-2852	10
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1) Can only be used in SI frames with adapter 1746-...

2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

3) SCHUKO® socket outlet with orange/green cover (SV/ZSV), see Section Busch-Duro 2000® SI.



**SCHUKO® socket outlet 1) 2)
With marking „EDV“**
With screwless terminal.
2 P + E
With cover 50 x 50 mm.
Suitable for cut-outs (50 x 50 mm) of the trunking covers
from Ackermann and Tehalit.
Rated voltage: 250 V~
Rated current: 16 A

214 alpine white	20 EUCQ/DV-214	2011-0-2902	10
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217 red	20 EUCQ/DV-217	2011-0-2886	10
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

2) Can only be used in SI frames with adapter 1746-...

For further SCHUKO® socket outlets, refer to the flush and surface mounted lines.

Music in each
and every room.



WOULD YOU LIKE TO HEAR THE LATEST NEWS OR YOUR FAVOURITE CD ALL OVER THE HOUSE? ALMOST TOO GOOD TO BE TRUE. IT CAN BE USED IN EACH ROOM WITH THE SIMPLICITY OF A LIGHT SWITCH AND EVEN AS AN INTERCOM - BUSCH-AUDIOWORLD® IS A FEAST FOR THE EARS.



Amplifier

Separate controls in each room

Whoever wants to hear, just switches it on: the amplifier insert is installed in all rooms which are to be connected to the system and can then be used

as a control unit. It fits into a normal flush-mounted box and has an adapter ring for integration into every available switch range.



Intercom amplifier

Can also be used as an internal intercom

The amplifier insert can not only be used for controlling the volume and for switching between the radio and other sound sources. With the intercom variant, the system can also be used as a call system all over the house.



Microphone console

Central communication

With the microphone console, you can communicate easily through individual or several rooms and reach specific people quickly, for example, in a medical practice.



Busch-AudioWorld® 2gang combination DigitalRadio and loudspeaker. Switch series solo®. Colour: davos.



Materials: Thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

DigitalRadio and loudspeaker with cover plates	296
Central unit	298
MDRC power pack	298
MDRC amplifier	298
Amplifier inserts	298
Audio input	299
FM loudspeaker inserts (2")	299
Cover plates	299
Installation loudspeaker (5") and cover plate	300
Connecting units for Busch-AudioWorld®	300
Loudspeaker connecting units and cover plates	300
Cover plate with rotary knob for volume control	303

System overview.

Source/signal supply

Voltage supply/inputs



Central unit with RDS tuner
Item no. 8202



MDRC power pack
Item no. 8209-101



Flush-mounted audio input
Item no. 8210 U

Amplifier inserts/signal output

Amplifier

Covers



Amplifier insert
Item no. 8211 U



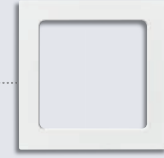
Intercom amplifier insert
Item no. 8214 U



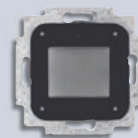
Microphone console
Item no. 8205



MDRC amplifier
Item no. 8208



Cover plate
Item no. 8251-xxx



DigitalRadio insert
(flush-mounted)
Item no. 8215 U

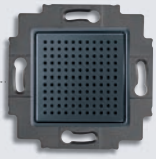


Cover plate
for DigitalRadio
Item no. 8252-xxx

Loudspeaker

Loudspeakers

Loudspeaker covers



Loudspeaker insert 2"
Item no. 8221 U



Cover plate
Item no. 8251-xxx



Built-in loudspeaker 5"
Item no. 8222 EB



Loudspeaker grid, metal
Item no. 8228



Wet room loudspeaker 5"
Item no. 8224 EB



Loudspeaker grid, plastic
Item no. 8227



Loudspeaker insert 2"
for DigitalRadio
Item no. 8223 U



Cover plate
for loudspeaker insert 2"
Item no. 8253-xxx

The Busch-Jaeger audio system of unlimited opportunities

According to the requirements, the system components can be individually combined and supplemented.

For pure voice transmission, e.g. in medical practices, or for check-up calls in nursing homes, the intercom amplifier insert can be called from the microphone console.

To listen to music in larger rooms, the central unit with RDS tuner already offers extensive accessories like its own power pack and audio output.

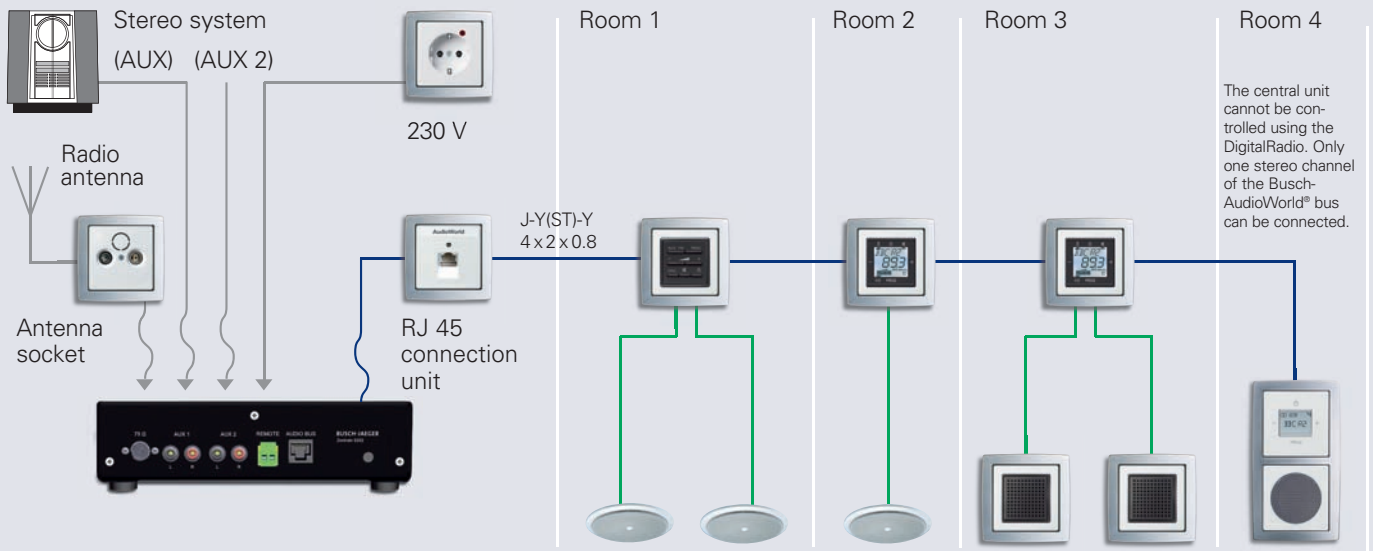
For smaller rooms, like waiting rooms, or at home in the kitchen or bathroom, the DigitalRadio is the perfect solution for a space-saving stand-alone alternative with the 2" loudspeaker insert.

All components can be combined with each other and with other devices, of course, and are available in almost all Busch-Jaeger switch designs.



A system for great sound.

Busch-AudioWorld® is a system consisting of perfectly matched components. The central radio unit, various beautifully designed speakers, and operating controls open up a new sound dimension.



Circuit diagram for Busch-AudioWorld®

The central unit is used as a source for two stereo channels. One channel is supplied through the AUX1 port, while the second channel is supplied by either the AUX2 or the integrated radio tuner. The radio tuner has eight channel presets.

Busch-AudioWorld® is a complete sound distribution system with perfectly matched components. Special flush-mounted speakers are available for ceilings and walls, additionally flush-mounted speaker inserts are available for sound distribution in different rooms. Alternatively, the system can

also drive external speaker systems. In this way you can integrate your existing speakers (8 ohms) into your system without problems. Light switches and speaker modules are available in the various Busch-Jaeger switch ranges. Busch-Jaeger also has suitable loudspeaker

inserts for professional wiring.



Central unit with integrated stereo radio receiver

The heart of Busch-AudioWorld® is a compact central unit designed as mini hi-fi component. This central module has a stereo radio tuner that can save up to eight radio stations. In addition, it has a connection for external music sources, which is usually used for the stereo system.

The entire system can be easily commissioned: an eight-wire telephone line (J-Y[ST]-Y 4 x 2 x 0.8) suffices for the transmission from the central unit to the amplifier inserts. After the connection of the central unit and the saving of the desired radio station on the unit itself, the control is imple-

mented solely via the amplifier inserts in the individual rooms. The volume can be controlled separately in each room, independently of the settings on the system.

Performance overview:

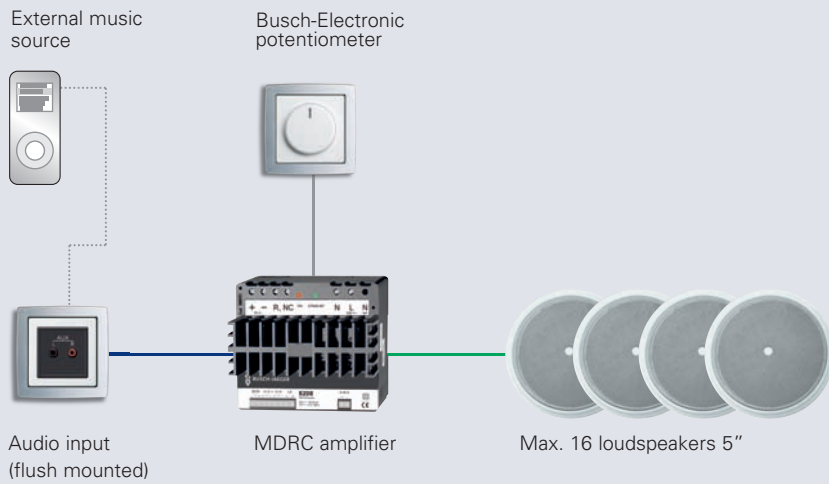


Busch-AudioWorld®
 3gang combination with Busch-Comfort switch,
 DigitalRadio and loudspeaker
 Switch range: **solo®**

- Can be integrated into Busch-AudioWorld® systems as amplifier insert and music source (without possibility of controlling the central unit)
- Excellent stereo radio
- Powerful digital amplifier
- Only one flush-mounted wall box for the radio insert
- The loudspeaker and radio insert can be mounted in combination or separately.
- Optional external antenna
- Display with background light
- Timer: alarm and snooze function
- Parallel input input for light switch
- Menu and user guidance using “floating rocker” principle
- Dynamic menu design, i. e. hiding of the clock and alarm function
- Suitable for all Busch-Jaeger switch ranges



Good sound in all rooms – the fully integrated hi-fi system.



The system can be operated in different ways: e.g. via the push-buttons of an Amplifier insert, via special KNX actuators or via the Busch-electronic potentiometer, as shown in the picture above. The potentiometer looks like a normal dimmer but works like a simple volume controller with ON/OFF switch function.

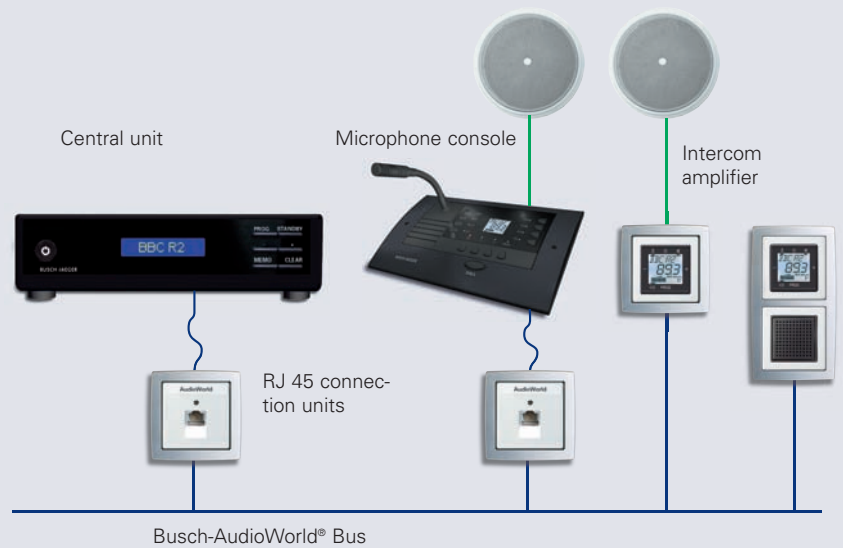



Targeted dialogue in individual rooms – sound plus individual communication




In addition to playing music in medical or law firms, the intercom function is a useful way of communication. Patience relax while listening to the background music and time is passing by quickly. Suitable speakers can be installed in the waiting room. With the central microphone unit, selective announcements can be made to

the waiting room or the individual treatment rooms. The individually assignable buttons of the central microphone unit guarantee easy, fast operation. Of course, it is also possible to respond from the treatment rooms via the intercom amplifier insert e.g. to get the nurses assistance.




Product	Article-No.	Order-No.	Pack/Qty
	FT DigitalRadio 1) Complete set Ready-to-install complete set for mono operation. Consists of FT DigitalRadio 8215 U. Consists of speaker insert 8223 U. Consists of cover plate for FT DigitalRadio. Consists of cover plate for speaker insert. Consists of 2gang future® linear cover frame. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
	84 davos/studio white	8220-84	8200-0-0111 1/10


1) No claw. Screw-fixing via keyholes.


	FT DigitalRadio 1) Standalone RDS stereo radio with display for flush-mounted assembly. Reception frequency: 87.50 MHz - 108.00 MHz. With external input for a Busch-AudioWorld® channel. For mono/stereo operation. 8 radio stations storable. With time display. With alarm function. With automatic switch-off function (automatic sleep mode). With extension input to remote-controlled ON/OFF switches. With integrated antenna. With additional connection for external antenna. Permitted speaker impedance: 4 - 8 Ohm Can be installed as 1gang and in multiple combinations. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Protection class (Device): IP 20 Installation depth: 34 mm		
		8215U	8200-0-0041 1/10

1) No claw. Screw-fixing via keyholes.

	Loudspeaker insert 1) 2" For FT DigitalRadio 8215 U. With broadband characteristics. With flat plug connector. Incl. speaker connection cable. Rated output: 2 W (RMS) Frequency response: 200 - 20,000 Hz Impedance: 4 Ohm Protection class (Device): IP 20, SELV Installation depth: 32 mm		
		8223 U	8200-0-0042 1/10

1) No claw. Screw-fixing via keyholes.


	Cover plate For FT DigitalRadio 8215 U. Busch-Duro 2000®SI		
	212 white	8252-212	8200-0-0048 10
214 alpinewhite	Reflex SI 8252-214	8200-0-0049	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For FT DigitalRadio 8215 U. <i>alpha exclusive®</i>		
	22G ivory	8252-22G	8200-0-0067 10
24G studio white	8252-24G	8200-0-0069 10	
233 amber 1)	8252-233	8200-0-0072 10	
255 obsidian 1)	8252-255	8200-0-0073 10	
260 palladium 1)	8252-260	8200-0-0074 10	
266 titanium 1)	8252-266	8200-0-0075 10	
<i>alpha nea®</i>			
20 platinum 1)	8252-20	8200-0-0065 10	
21 bronze 1)	8252-21	8200-0-0066 10	
22G ivory	8252-22G	8200-0-0067 10	
24 studio white	8252-24	8200-0-0068 10	
24G studio white	8252-24G	8200-0-0069 10	
26 brown 1)	8252-26	8200-0-0070 10	
28 hansa blue 1)	8252-28	8200-0-0071 10	

1) Surface painted.
*) Phase-out type


	Cover plate For FT DigitalRadio 8215 U. <i>future®</i>		
	82 savanna/ivory white	8252-82	8200-0-0051 10
84 davos/studio white	8252-84	8200-0-0053 10	
85 manhattan/graphite 1)	8252-85	8200-0-0054 10	
89 stone/light grey 1)	8252-89	8200-0-0058 10	
<i>future® linear</i>			
81 anthracite 1)	8252-81	8200-0-0050 10	
82 savanna/ivory white	8252-82	8200-0-0051 10	
83 aluminium silver 1)	8252-83	8200-0-0052 10	
84 davos/studio white	8252-84	8200-0-0053 10	
89 stone/light grey 1)	8252-89	8200-0-0058 10	
<i>solo®</i>			
82 savanna/ivory white	8252-82	8200-0-0051 10	
84 davos/studio white	8252-84	8200-0-0053 10	
85 manhattan/graphite 1)	8252-85	8200-0-0054 10	
87 toscana/purple	8252-87	8200-0-0056 10	
803 meteor/grey metallic	8252-803	8200-0-0112 10	
815 sahara/yellow	8252-815	8200-0-0113 10	
<i>Busch-axcent®</i>			
84 davos/studio white	8252-84	8200-0-0053 10	
<i>carat®</i>			
81 anthracite 1)	8252-81	8200-0-0050 10	
82 savanna/ivory white	8252-82	8200-0-0051 10	
84 davos/studio white	8252-84	8200-0-0053 10	
<i>pure stainless steel 1)</i>			
866 stainless steel	8252-866	8200-0-0059 10	

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For FT DigitalRadio 8215 U. <i>impuls</i>		
71 brilliantblack *)	8252-71	8200-0-0060	10
72 ivory	8252-72	8200-0-0061	10
74 alpinewhite	8252-74	8200-0-0062	10
79 champagne metallic *)	8252-79	8200-0-0063	10
777 blackberry	8252-777	8200-0-0114	10
783 aluminiumsilver *)	8252-783	8200-0-0064	10

1) Surface painted.
*) Phase-out type


	Cover plate For loudspeaker insert 8223 U. Busch-Duro 2000®SI		
212 white	8253-212	8200-0-0076	1/10
	Reflex SI		
214 alpinewhite	8253-214	8200-0-0077	1/10

	Cover plate For loudspeaker insert 8223 U. <i>alpha exclusive®</i>		
22G ivory	8253-22G	8200-0-0095	1/10
24G studiowhite	8253-24G	8200-0-0097	1/10
233 amber *)	8253-233	8200-0-0100	1/10
255 obsidian *)	8253-255	8200-0-0101	1/10
260 palladium *)	8253-260	8200-0-0102	1/10
266 titanium *)	8253-266	8200-0-0103	1/10
	<i>alpha nea®</i>		
20 platinum *)	8253-20	8200-0-0093	1/10
21 bronze *)	8253-21	8200-0-0094	1/10
22G ivory	8253-22G	8200-0-0095	1/10
24 studiowhite	8253-24	8200-0-0096	1/10
24G studiowhite	8253-24G	8200-0-0097	1/10
26 brown *)	8253-26	8200-0-0098	1/10
28 hansablue *)	8253-28	8200-0-0099	1/10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For loudspeaker insert 8223 U. <i>future®</i>		
82 savanna/ivory white	8253-82	8200-0-0079	1/10
84 davos/studio white	8253-84	8200-0-0081	1/10
85 manhattan/graphite *)	8253-85	8200-0-0082	1/10
89 stone/light grey *)	8253-89	8200-0-0086	1/10
	<i>future® linear</i>		
81 anthracite *)	8253-81	8200-0-0078	1/10
82 savanna/ivory white	8253-82	8200-0-0079	1/10
83 aluminium silver *)	8253-83	8200-0-0080	1/10
84 davos/studio white	8253-84	8200-0-0081	1/10
89 stone/light grey *)	8253-89	8200-0-0086	1/10
	<i>solo®</i>		
82 savanna/ivory white	8253-82	8200-0-0079	1/10
84 davos/studio white	8253-84	8200-0-0081	1/10
85 manhattan/graphite *)	8253-85	8200-0-0082	1/10
87 toscana/purple	8253-87	8200-0-0084	1/10
803 meteor/grey metallic	8253-803	8200-0-0115	1/10
815 sahara/yellow	8253-815	8200-0-0116	1/10
	<i>Busch-axcent®</i>		
84 davos/studio white	8253-84	8200-0-0081	1/10
	<i>carat®</i>		
81 anthracite *)	8253-81	8200-0-0078	1/10
82 savanna/ivory white	8253-82	8200-0-0079	1/10
84 davos/studio white	8253-84	8200-0-0081	1/10
	<i>pure stainless steel 1)</i>		
866 stainless steel	8253-866	8200-0-0087	1/10

1) Surface painted.
*) Phase-out type


	Cover plate For loudspeaker insert 8223 U. <i>impuls</i>		
71 brilliantblack *)	8253-71	8200-0-0088	1/10
72 ivory	8253-72	8200-0-0089	1/10
74 alpine white	8253-74	8200-0-0090	1/10
79 champagne metallic *)	8253-79	8200-0-0091	1/10
777 blackberry	8253-777	8200-0-0117	1/10
783 aluminium silver *)	8253-783	8200-0-0092	1/10

1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Base station With RDS tuner, stereo, 2 channels For setting up multi-room public address systems. With integrated RDS tuner. Reception frequency: 87.50 MHz - 108.00 MHz. 8 radio stations storable. 2 separate stereo audio channels. 1 additional channel for voice messages. With intercom management function. With 2 external AUX inputs. For 4 Busch-AudioWorld® system amplifiers. Extendable via the MDRC power pack 8209-101. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz/60 Hz Rated current: 1.2 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 53 mm x 203 mm x 201 mm		
	8202	8200-0-0118	1


	Base station *) with FM tuner, stereo, 2 channels For setting up multi-room public address systems. With integrated FM tuner. Reception frequency: 87.50 MHz - 108.00 MHz. 8 radio stations storable. 2 separate stereo audio channels. 1 additional channel for voice messages. For 4 amplifier inserts 8211 U and 8212 U. Extendable via REG external power-pack 8209. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz/60 Hz Rated current: 1.2 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 67 mm x 217 mm x 210 mm		
	8201	8200-0-0008	1

*) Phase-out type

	MDRC power pack 1) For extending the maximum number of system amplifiers at one base station. For 5 additional Busch-AudioWorld® system amplifiers. Parallel connection possible to base station and to each other. Can be used in "standalone" mode, i.e. without base station. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz/60 Hz Rated current: 1.5 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 110 mm x 125 mm x 70 mm module width: 7 MW		
	8209-101	8200-0-0106	1/10

1) Max. 3 MDRC power packs per system.

Product	Article-No.	Order-No.	Pack/Qty
	MDRC (modular DIN rail component) amplifier Busch-AudioWorld® system amplifier. Can be operated in "booster" mode with an amplifier insert. Can be operated in "standalone" mode with one audio input. For increasing the output power to 2 x 10 W. Can be used in bridge operation. For extending the number of speakers at one amplifier insert. For max. 16 Busch-AudioWorld® speakers. Permitted speaker impedance: 2 - 16 Ohm With integrated 1-10 V interface for volume control. Can be combined with Busch electronic potentiometer insert 2112 U-101. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 15 V- Rated frequency: 50 Hz Rated current: 1.5 A Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 110 mm x 125 mm x 70 mm module width: 7 MW		
	8208	8200-0-0107	1/10

	Microphone console Busch-AudioWorld® system amplifier. For language announcements to 15 individual call zones. With additional broadcast function With 8 direct buttons for pre-selecting call zones With gooseneck microphone. For individual volume control. For switching between Busch-AudioWorld® system channel 1 and 2. For switching of the central radio channel. Optional deactivation of announcements (do not disturb). For mono/stereo operation. With noise control function. With time display. With acoustic monitoring function (baby monitor). Permitted speaker impedance: 8 - 16 Ohm Rated voltage: 15 V- Protection class (Device): IP 20, SELV Dimensions: (L x W x D): 85 mm x 248 mm x 175 mm Installation depth: 85 mm		
	8205	8200-0-0120	1

	Intercom amplifier insert 1) With display Busch-AudioWorld® system amplifier. For individual volume control. For language announcements to 15 individual call zones. With additional broadcast function For switching between Busch-AudioWorld® system channel 1 and 2. For switching of the central radio channel. Optional deactivation of announcements (do not disturb). For mono/stereo operation. With noise control function. With time display. With alarm function. With automatic switch-off function (automatic sleep mode). With acoustic monitoring function (baby monitor). Permitted speaker impedance: 8 - 16 Ohm Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 36 mm		
	8214 U	8200-0-0119	1/10

1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
	Amplifier insert 1) For individual volume control. With switchover between radio and external music source. For switching of the central radio channel. For mono/stereo operation. With automatic loudness function. Optional automatic switch-off after 30 min. (Sleep function). Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 32 mm		
	81 anthracite	8211U	8200-0-0010 1/10
1) No claw. Screw-fixing via keyholes.			

	Intercom amplifier insert 1)*) Busch-AudioWorld® system amplifier. For individual volume control. With switchover between radio and external music source. For switching of the central radio channel. With voice button and integrated microphone for spoken messages to other Intercom amplifier inserts (8212 U). Optional deactivation of announcements (do not disturb). For mono/stereo operation. With automatic loudness function. Optional automatic switch-off after 30 min. (Sleep function). Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 33 mm		
	81 anthracite	8212U	8200-0-0011 1/10
1) No claw. Screw-fixing via keyholes. *) Phase-out type			

	Audio input 1) For feeding external music sources into the Busch-AudioWorld® public address system. For 1 stereo audio channel For Busch-AudioWorld® system amplifier. Can be combined with FT DigitalRadio (8215 U). Rated voltage: 15 V- Protection class (Device): IP 20, SELV Installation depth: 34 mm		
	81 anthracite	8210U	8200-0-0108 1
1) No claw. Screw-fixing via keyholes.			






	Loudspeaker insert 2) For amplifier inserts 8211 U, 8212 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS) Frequency response: 150 - 16,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Installation depth: 34 mm		
	81 anthracite	8221 U	8200-0-0012 1/10
1) No claw. Screw-fixing via keyholes.			

	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. Busch-Duro 2000®SI		
	212 white	8251-212	8200-0-0018 10
214 alpinewhi te	8251-214	8200-0-0019 10	Reflex SI

	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. <i>alpha exclusive®</i>		
	22G ivory	8251-22G	8200-0-0022 10
24G studio white	8251-24G	8200-0-0024 10	
233 amber *)	8251-233	8200-0-0027 10	
255 obsidian *)	8251-255	8200-0-0028 10	
260 palladium *)	8251-260	8200-0-0029 10	
266 titanium *)	8251-266	8200-0-0030 10	
<i>alpha nea®</i>			
20 platinum *)	8251-20	8200-0-0020 10	
21 bronze *)	8251-21	8200-0-0021 10	
22G ivory	8251-22G	8200-0-0022 10	
24 studio white	8251-24	8200-0-0023 10	
24G studio white	8251-24G	8200-0-0024 10	
26 brown *)	8251-26	8200-0-0025 10	
28 hansa blue *)	8251-28	8200-0-0026 10	
1) Surface painted. *) Phase-out type			

	Cover plate For amplifier insert 8211 U. For intercom amplifier inserts 8212 U and 8214 U. For audio input 8210 U. For loudspeaker insert 8221 U. <i>future®</i>		
	82 savanna/ivory white	8251-82	8200-0-0032 10
84 davos/studio white	8251-84	8200-0-0033 10	
85 manhattan/graphite *)	8251-85	8200-0-0034 10	
89 stone/light grey *)	8251-89	8200-0-0038 10	
<i>future® linear</i>			
81 anthracite *)	8251-81	8200-0-0031 10	
82 savanna/ivory white	8251-82	8200-0-0032 10	
83 aluminium silver *)	8251-83	8200-0-0039 10	
84 davos/studio white	8251-84	8200-0-0033 10	
89 stone/light grey *)	8251-89	8200-0-0038 10	
<i>solo®</i>			
82 savanna/ivory white	8251-82	8200-0-0032 10	
84 davos/studio white	8251-84	8200-0-0033 10	
85 manhattan/graphite *)	8251-85	8200-0-0034 10	
86 samoa/light green *)	8251-86	8200-0-0035 10	
87 toscana/purple	8251-87	8200-0-0036 10	
88 attica/pigeon blue *)	8251-88	8200-0-0037 10	
803 meteor/grey metallic	8251-803	8200-0-0105 10	
815 sahara/yellow	8251-815	8200-0-0104 10	
<i>Busch-axcent®</i>			
84 davos/studio white	8251-84	8200-0-0033 10	
<i>carat®</i>			
81 anthracite *)	8251-81	8200-0-0031 10	
82 savanna/ivory white	8251-82	8200-0-0032 10	
84 davos/studio white	8251-84	8200-0-0033 10	
<i>pure stainless steel 1)</i>			
866 stainless steel	8251-866	8200-0-0040 10	
1) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Built-in loudspeakers 5" For amplifier inserts 8211 U, 8212 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screw-type terminals. Rated output: 6 W (RMS) Frequency response: 72 - 12,000 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Temperature range (Device): 5 °C to 40 °C Dimensions: (L x W x D): 148 mm x 148 mm x 69 mm		
	8222 EB	8200-0-0013	1/5
	Loudspeaker grid metal For built-in loudspeaker: 8222 built-in. With central fixation screw. With screw cover. Protection class (Device): IP 20 Dimensions: (L x W x D): 185 mm x 185 mm x 15 mm		
white	8228	8200-0-0014	1/10
	Moist atmosphere speaker 5" For amplifier inserts 8211 U, 8212 U and 8214 U. For MDRC amplifier 8208. For microphone console 8205. With broadband characteristics. With screw-type terminals. Rated output: 7 W (RMS) Frequency response: 84 - 16,500 Hz Impedance: 16 Ohm Protection class (Device): IP 20, SELV Temperature range (Device): -20 °C to 55 °C Dimensions: (L x W x D): 148 mm x 148 mm x 69 mm		
	8224 EB	8200-0-0109	1/5
	Loudspeaker grid Plastic material For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. With central fixation screw. Protection class (Device): IP 20 Dimensions: (L x W x D): 190 mm x 190 mm x 11 mm		
white	8227	8200-0-0110	1/10
	Flush-mounted wall box For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. For flush-mounted assembly. Drilling measurements: 174 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 84 mm Installation depth: 84 mm		
	8229/1	8200-0-0015	1/10
	Hollow-wall installation ring For built-in speakers 8222 EB and moist atmosphere speakers 8224 EB. For mounting in hollow walls/ceilings. With spring claws. Drilling measurements: 160 mm. Dimensions: (L x W x D): 174 mm x 174 mm x 105 mm Installation depth: 110 mm		
	8229/2	8200-0-0016	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Blind plate For covering premounted flush-mounted wall box 8229/1. For covering premounted hollow wall installation ring 8229/2. With rotary fixation. Dimensions: (L x W x D): 170 mm x 170 mm x 31 mm		
white	8229/3	8200-0-0017	1/5
	Universal data connection unit, cat. 3 1 gang With down-leading outlet. For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3. Design according to IEC 60 603-7-2:2007. Screw contacts with claw		
	0213	0230-0-0227	10/100
1) To fit cover plate 1803-xxx.			
	Loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 2 terminals. Pooling with coloured marking. Cable cross-section max. 10 mm ² . with claw		
anthracite	0247	0230-0-0382	10
1) Suitable for cover telephone unit 1766-xxx and 2539-21x.			
	Stereo loudspeaker connection box 1) With clamp terminals (with screw terminals on the back). With 4 terminals. Cable cross-section max. 10 mm ² . Pooling with coloured marking. with claw		
anthracite	0248	0230-0-0383	10
1) Suitable for cover telephone unit 1766-xxx and 2539-21x.			
	Cover plate For German telephone telephone unit insert. For German telephone Universal data connecting unit / telephone unit insert For loudspeaker connection box Suitable for Art. No. 0247 and 0248. For data modules. Suitable for Art. No. 0219/12 and 0219/13. For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).		
	Busch-Duro 2000® SI		
212 white	2539-212	1724-0-0434	10/100
	Reflex SI		
214 alpine white	2539-214	1724-0-0913	10/100

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
 For German telephone telephone unit insert.
 For German telephone Universal data connecting unit / telephone unit insert
 For loudspeaker connection box
 Suitable for Art. No. 0247 and 0248.
 For data modules.
 Suitable for Art. No. 0219/12 and 0219/13.
 For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

alpha exclusive®

22G ivory	1766-22G	1710-0-2496	10
24G studiowhi te	1766-24G	1753-0-7743	10
233 amber *)	1766-233	1710-0-3362	10/100
255 obsidian *)	1766-255	1710-0-3388	10/100
260 palladium *)	1766-260	1710-0-3310	10/100
266 titanium *)	1766-266	1710-0-3336	10/100

alpha nea®

20 platinum *)	1766-20	1753-0-2629	10
21 bronze *)	1766-21	1753-0-2637	10
22G ivory	1766-22G	1710-0-2496	10
24 studiowhi te	1766-24	1753-0-2645	10
24G studiowhi te	1766-24G	1753-0-7743	10
26 brown *)	1766-26	1753-0-0020	10
28 hansabl ue *)	1766-28	1753-0-7768	10



impuls

71 brilliantblack *)	1766-71	1753-0-0912	10
72 ivory	1766-72	1753-0-0055	10
74 alpinewhi te	1766-74	1753-0-4989	10
79 champagne metallic *)	1766-79	1753-0-5465	10
777 blackberry	1766-777	1753-0-0116	10
783 aluminiumsilver *)	1766-783	1753-0-0056	10

1) Real metal surface.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
 For German telephone telephone unit insert.
 For German telephone Universal data connecting unit / telephone unit insert
 For loudspeaker connection box
 Suitable for Art. No. 0247 and 0248.
 For data modules.
 Suitable for Art. No. 0219/12 and 0219/13.
 For modular outlets with 90° RJ45 outlet from Telegärtner (type MJ and WE).

future®

82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
85 manhattan/graphite *)	1766-85	1710-0-3180	10/100
89 stone/light grey *)	1766-89	1710-0-3435	10/100

future® linear

81 anthracite *)	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
83 aluminium silver *)	1766-83	1710-0-3659	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
89 stone/light grey *)	1766-89	1710-0-3435	10/100

solo®

82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100
85 manhattan/graphite *)	1766-85	1710-0-3180	10/100
86 samoa/light green *)	1766-86	1710-0-3198	10
87 toscana/purple	1766-87	1710-0-3216	10
88 attica/pigeon blue *)	1766-88	1710-0-3234	10
803 meteor/grey metallic	1766-803	1710-0-3854	10
815 sahara/yellow	1766-815	1710-0-3834	10

Busch-axcent®

84 davos/studio white	1766-84	1710-0-3162	10/100
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carat®

81 anthracite *)	1766-81	1710-0-3613	10
82 savanna/ivory white	1766-82	1710-0-3144	10/100
84 davos/studio white	1766-84	1710-0-3162	10/100

pure stainless steel

866 stainless steel	1766-866	1710-0-3765	10/100
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1) Surface painted.
 *) Phase-out type



Cover plate With metal mounting plate
 loudspeaker inserts and cover.
 fixing claws
 Conductor cross-sections up to 4 mm² rigid.
 With screw-type terminal.

Busch-Duro 2000® SI

212 white	2147 U-212	1723-0-0063	10
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Reflex SI

214 alpine white	2147 U-214	1723-0-0162	10
215 black	2147 U-215	1723-0-0170	10

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With metal mounting plate**
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

alpha exclusive®

22G ivory	1751-22G	1723-0-0238	10
24G studiowhi te	1751-24G	1723-0-0204	10
233 amber *)	1751-233	1723-0-0247	10
255 obsidian *)	1751-255	1723-0-0248	10
260 palladium *)	1751-260	1723-0-0245	10/100
266 titanium *)	1751-266	1723-0-0246	10

alpha nea®

20 platinum *)	1751-20	1723-0-0113	10
21 bronze *)	1751-21	1723-0-0121	10
22G ivory	1751-22G	1723-0-0238	10
24 studiowhi te	1751-24	1723-0-0139	10
24G studiowhi te	1751-24G	1723-0-0204	10
26 brown *)	1751-26	1723-0-0250	10
28 hansabl ue *)	1751-28	1723-0-0220	10



impuls

71 brilliantblack *)	1751-71	1753-0-1423	10
72 ivory	1751-72	1753-0-0048	10
74 alpinewhi te	1751-74	1753-0-4971	10
79 champagne metallic *)	1751-79	1753-0-5457	10
777 blackberry	1751-777	1753-0-0113	10
783 aluminiumsilver *)	1751-783	1753-0-0049	10

1) Real metal surface.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Cover plate
With metal mounting plate**
fixing claws
loudspeaker inserts and cover.
With screw-type terminal.
Conductor cross-sections up to 4 mm² rigid.

future®

82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
85 manhattan/graphite *)	1751-85	1723-0-0241	10
89 stone/light grey *)	1751-89	1723-0-0249	10

future® linear

81 anthracite *)	1751-81	1723-0-0253	10
82 savanna/ivory white	1751-82	1723-0-0239	10
83 aluminium silver *)	1751-83	1723-0-0254	10
84 davos/studio white	1751-84	1723-0-0240	10/100
89 stone/light grey *)	1751-89	1723-0-0249	10

solo®

82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100
85 manhattan/graphite *)	1751-85	1723-0-0241	10
86 samoa/light green *)	1751-86	1723-0-0242	10
87 toscana/purple	1751-87	1723-0-0243	10
88 attica/pigeon blue *)	1751-88	1723-0-0244	10
803 meteor/grey metallic	1751-803	1723-0-0257	10
815 sahara/yellow	1751-815	1723-0-0256	10

Busch-axcent®

84 davos/studio white	1751-84	1723-0-0240	10/100
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carat®

81 anthracite *)	1751-81	1723-0-0253	10
82 savanna/ivory white	1751-82	1723-0-0239	10
84 davos/studio white	1751-84	1723-0-0240	10/100

pure stainless steel

866 stainless steel	1751-866	1723-0-0255	10
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1) Surface painted.
*) Phase-out type

Product **Article-No.** Order-No. Pack/Qty



Cover plate
With rotary control, with marking
 As a cover for volume controllers.
 Suitable for the "LR mono BJ UP" devices of WHD.

future®

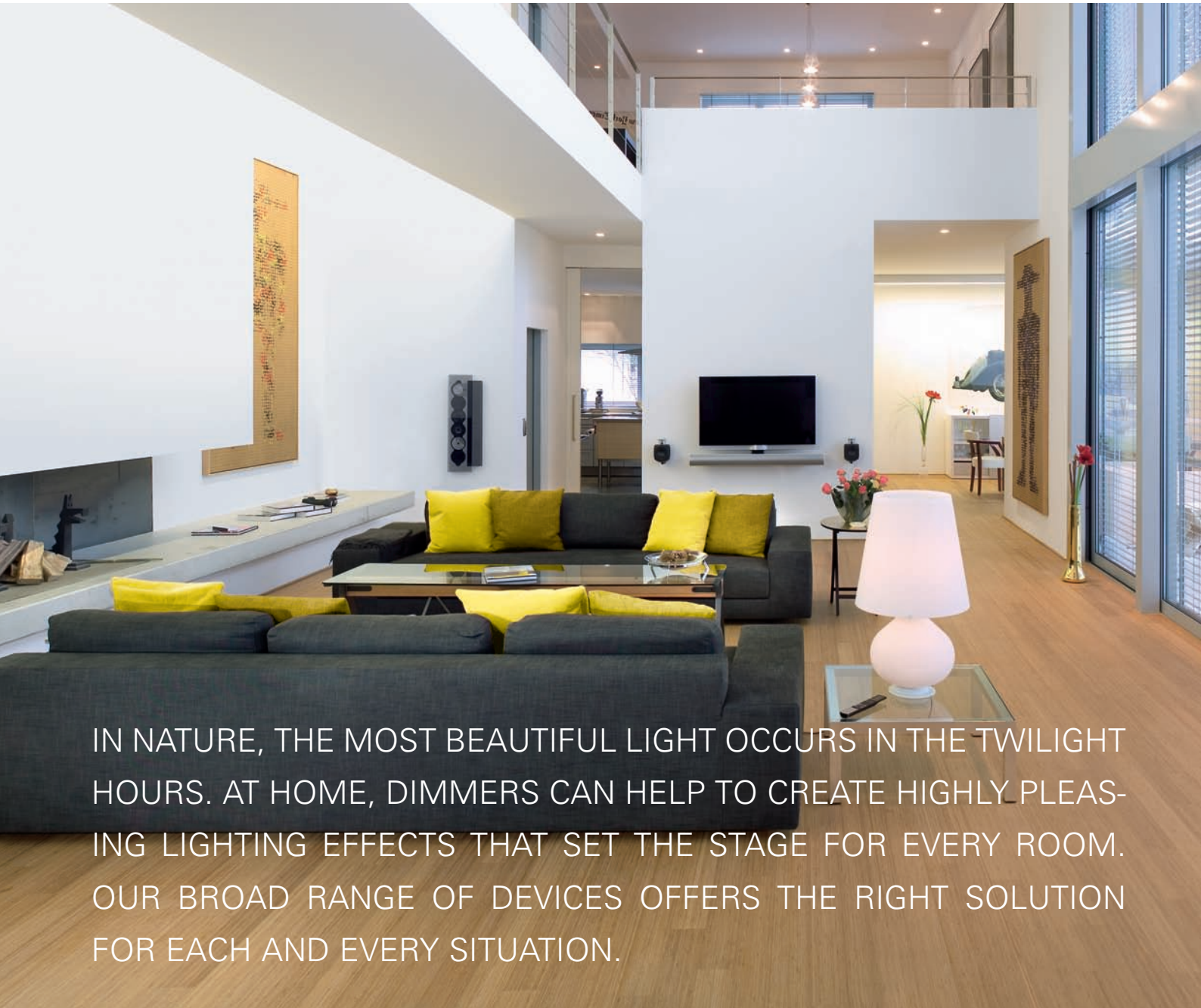
82	savanna/ivory white	1740D R/03-82	1710-0-3807	10
84	davos/studio white	1740 DR/03-84	1710-0-3808	10
85	manhattan/ graphite *)	1740D R/03-85	1710-0-3809	10
89	stone/lightgrey *)	1740 DR/03-89	1710-0-3810	10
future®| inear				
82	savanna/ivory white	1740D R/03-82	1710-0-3807	10
83	aluminiumsilber *)	1740D R/03-83	1710-0-3811	10
84	davos/studio white	1740 DR/03-84	1710-0-3808	10
89	stone/lightgrey *)	1740 DR/03-89	1710-0-3810	10
<i>pure stainless steel</i>				
866	stainlesssteel	1740D R/03-866	1710-0-3812	10

1) Surface painted.
 *) Phase-out type

Product **Article-No.** Order-No. Pack/Qty



Dawn and dusk.



IN NATURE, THE MOST BEAUTIFUL LIGHT OCCURS IN THE TWILIGHT HOURS. AT HOME, DIMMERS CAN HELP TO CREATE HIGHLY PLEASING LIGHTING EFFECTS THAT SET THE STAGE FOR EVERY ROOM. OUR BROAD RANGE OF DEVICES OFFERS THE RIGHT SOLUTION FOR EACH AND EVERY SITUATION.



Busch-Dimmer®

From incandescent lamps to fluorescent tubes: with the Busch-Dimmer®, you can control light intensity individually. Each lamp is only supplied with the energy it actually needs – this saves on energy costs and extends the life of the connected bulbs.



Busch-Dimmer® with IR

Even modern low-voltage halogen lights can be dimmed. This is particularly convenient, for example, using an infrared remote control.



KNX 3fold switch sensor with IR

Multi-functional perfection: easily integrate Busch-Dimmers into your networked home technology. You can easily control different functions by remote control.



4-channel universal dimming actuator

More flexibility with universal dimming actuators. Variable load distribution on 4 channels. The new 4-channel universal dimming actuator is suitable to control incandescent-, 230V Halogen and Low Voltage Halogen lights with both, conventional

and electronic transformers, as well as Energy Saving Lights that can be dimmed. All new: a variable concept allows the parallel switching of 2, 3 or all 4 channels. This way, the actuator can be perfectly adapted to the connected loads.



2gang combination dimmer/socket outlet with shutter.
Switch series solo®. Colour: davos.



Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen.

Dimmer overview	315
FM dimmers	315
Cover plates	314
Control elements	316
IR control elements	318
Control module	319

There, wherever you need it: Busch-Dimmer®.



Rotary dimmer

Individual lighting area



Rotary dimmer extension (6592 U)



Rotary dimmer extension (6592 U)

Come on in: through whichever door you enter a room – a rotary control element is already waiting for you. This works without a problem, also in the case of the existing two-way and single-gang wiring thanks to the rotary dimmer extension. In operation, there is no difference between the actual dimmer and the extension.

Switch on with...

... Last brightness



Turn on the device with the last brightness used as follows:

- Just press the rotary button.

... Minimum brightness



To dim completely:

- Turn the rotary button one quarter turn to the left.
- Press the rotary button.

... Maximum brightness



You want it to be as bright as possible immediately:

- Turn the rotary button one quarter turn to the right.
- Press the rotary button.

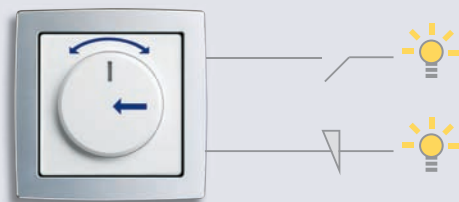
Double comfort for retrofitting



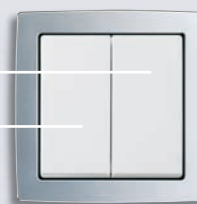
Even with a 2gang switch (switch with two rockers), you can retrofit a dimmer without structural changes. There are two possibilities in this case.

You would like to dim one lamp while switching on the other as usual? The switch dimmer is ideal. It looks like a normal rotary dimmer, but that's where the resemblance ends. If you turn it, you dim one lamp, but if you press it, you switch the second lamp on or off.

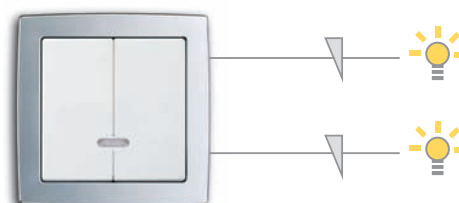
After: Switch dimmer
Switch 1x, dim 1x



Before: 2gang-1way switch
Switch 2x



After: 2gang dimmer
Dim 2x



You would like to dim two lights independently of each other and thus provide an individual lighting atmosphere? The 2gang dimmer is the perfect solution.

One lamp is controlled with each rocker half. A brief press turns the light on and off, while a longer one the lamp dims up or down.

Wherever you need it: Busch-Dimmer®.

With the Busch-Dimmer®, you can access your lights from various positions. This is because the dimmers can be easily expanded by extensions, that is, operating points. This saves annoying trips around the room, increases comfort, and provides flexibility.

If you wish, the Busch-Dimmer® is always at hand thanks to the practical extension function. In this case, the same lamp can be operated from almost any number of positions with push-switches. Push-switches of the All Weather 44® or ocean® switch ranges are suited for outdoor areas. In practice, for example, this

means that you can operate your terrace light from the living room with a Busch-Dimmer® and, at the same time, using a "water protected" push-switch directly on the terrace itself. Or you can dim the garden lighting both from the indoors and from the outdoors. You can also decide on a convenient Busch-

Dimmer® later. In most cases, your existing switches can be exchanged for the Busch-Dimmer®. Brilliantly convenient – just try it!



Help yourself: the Busch-Dimmer® with extension function lets you dim the same light from various positions. Ideal for terrace and garden lighting. Economical: push-switches are used as extensions.



Touch dimmer for the outdoor lighting, installed indoors



Push-switch extension in All Weather 44® for outdoor use

Outdoor light








Before: Light switch



After: Touch dimmer

Comfort made easy: your standard switch can usually be exchanged for the Busch-Dimmer® without a problem.

Busch-Dimmer®		Output		Lighting					Cover plate			
Version	Item. No.	Min.	Max.									
				Incan- descent escent lamp	230 V halogen	Conventional transformer Package/ Toroidal	Busch- Electronic transformer	ECG (1–10 V) Fluorescent lamp/LED				
FM rotary dimmer	2200 UJ-212	60 W	400 W	X	X				2110 C-21x	–	–	–
	2247 U ³⁾	20 VA	500 VA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx
	2250 U ³⁾	60 W	600 W	X	X				2115-21x	6540-2xx	6540-7xx	6540-8xx
	6520 U	200 W/VA	1,000 W/VA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx
	6513 U-102 ^{3,4)}	40 W/VA	420 W/VA	X	X		X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx
	6517 U-101	60 W	400 W/VA	X	X	X ¹⁾			2115-21x	6540-2xx	6540-7xx	6540-8xx
	6519 U ⁴⁾	40 W/VA	550 W/VA	X	X		X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx
	6591 U-101 ^{4,6)}	60 W/VA	420 W/VA	X	X	X ¹⁾	X ²⁾		2115-21x	6540-2xx	6540-7xx	6540-8xx
	6592 U	–	–						2115-21x	6540-2xx	6540-7xx	6540-8xx
Electr. Potentiometer	2112 U-101	–	4 A cos φ 0.9 3 A cos φ 0.5					X	2115-21x	6540-2xx	6540-7xx	6540-8xx
Touch dimmer	6560 U-101 ⁵⁾	20 VA	500 VA	X	X	X ¹⁾			6543-21x	6543-2xx	6543-7xx	6543-8xx
Universal dimmer insert	6593 U ^{4,5,6,8)}	60 W/VA	420 W/VA ⁸⁾	X	X	X ¹⁾	X ²⁾		6543-21x	6543-2xx	6543-7xx	6543-8xx
as above – Capacity booster	6594 U	200 W/VA	315 W/VA	X	X	X ¹⁾	X ²⁾		6543-21x	6543-2xx	6543-7xx	6543-8xx
Memory 2gang-1way dimmer	6565 U ²⁾	40 W/VA	315 W/VA	X	X		X ²⁾		6545-21x	6545-2xx	6545-7xx	6545-8xx
Memory touch-type controller	6550 U-101 ^{5,6)}	–	4 A cos φ 0.9 3 A cos φ 0.5					X	6543-21x	6543-2xx	6543-7xx	6543-8xx
Modular DIN-rail dimmer	2247 ³⁾	20 VA	500 VA	X	X	X ¹⁾			¹⁾ In the case of convention transformers, take 20% transformer losses into consideration. ²⁾ In the case of convention transformers, take 5% transformer losses into consideration. ³⁾ With power network isolating terminal. ⁴⁾ With electronic fuse. ⁵⁾ Extension use possible (NO contact push-switch 2020 US or 2021/6 UK, unlit). ⁶⁾ Insert with IR control element 6066-XX-101 possible. ⁷⁾ Output can be expanded by several power modules. Actuation through control modules 6597, 6197/11-102-500, 6997/60-500 possible. ⁸⁾ Output can be expanded using an FM power module 6594 U.			
	2250 KB ³⁾	60 VA	600 W	X	X							
	6560-101	20 VA	500 VA	X	X	X ¹⁾						
	6513-102 ^{3,4)}	40 W	420 W	X	X		X ²⁾					
Universal master dimmer	6584-500	200 W/VA	420 W/VA ⁷⁾	X	X	X ¹⁾	X ²⁾					
as above – Capacity booster	6597	for central control of Universal Central Dimmers 6583-500		X	X		X ²⁾					
Control module		–	4 A cos φ 0.9 3 A cos φ 0.5					X				
Memory touch-type controller	6550 ⁵⁾	–	4 A cos φ 0.9 3 A cos φ 0.5					X				
Electr. potentiometer	2112-101	–	4 A cos φ 0.9 3 A cos φ 0.5					X				
Modular DIN-rail dimmer Multichannel												
Universal dimmer actuator	6197/12-500	each	4x 210 W/VA in parallel 1x 840 W/VA	X	X	X ¹⁾	X ²⁾					
ABB i-bus® KNX 4x 210 W/VA		10 W/VA										
Universal dimmer actuator	6197/13-500	each	each 315 W/VA in parallel 1x 1260 W/VA	X	X	X ¹⁾	X ²⁾					
ABB i-bus® KNX 4x 315 W/VA		10 W/VA										



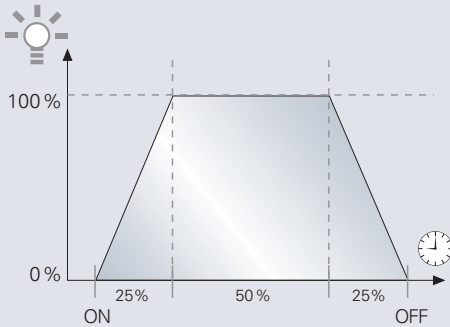
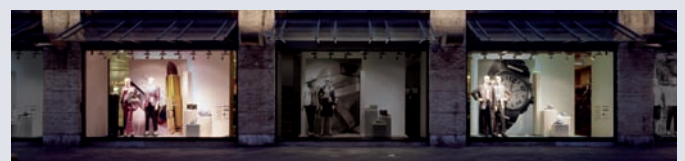
Let the sun rise and set.

We have another clever solution for commercial purposes. With the combination of a Busch-Universal master dimmer and Busch-Timer® control elements, you can create economical, effective lighting concepts, for example, for showcases.

Provide various showcases with pleasant light at different times

of the day. This imbues your exhibition area with new dynamics. In the twilight hours, slowly increase the lighting of your exhibition area. Later, light only a part of the area and thus save money. You can also stage various scenes with slow dimming and brightening. Your creativity in getting customers

attention knows no limits here.

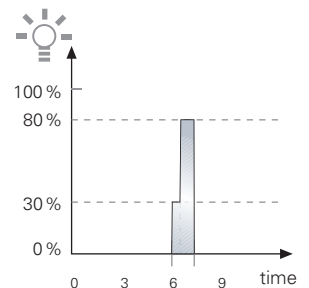


25% of the time for each operation, the light brightness dims or increases slowly. In the remaining 50%, the brightness is at the maximum level.



Let the sun rise and set. Sunsets are known to be atmospheric. You can also use this pleasant light at home. To do so, combine a dimmer insert with a timer. You will thus be awakened automatically in the morning with a pleasant, dimmed light. When you get dressed, the light is always bright so that you have

no problems choosing what to wear. In the evening, you can set the opposite effect. This is also idea for children's rooms. Atmospheric light for the bedtime story. Later the light continues to dim until it turns off entirely at night.



Versatility and mounting-friendliness: the power modules are controlled using a cable included in delivery and only have to be plugged in, thus preventing wiring mistakes.



6584-500

6583-500

Up to six capacity boosters can be connected to a master dimmer. In this way, loads up to 3,000 W/VA can be controlled via a single lamp wire. This is particularly helpful for renovation since it is often the case that no additional wires should be laid.

The cover located on the dimmer can be exchanged for plug-in modules. You can choose between a push-switch control element, a rotary control element, and a timer control element. Convenient, centralised control is thus possible.

In addition, up to five rotary dimmer extensions or an unlimited number of conventional NO contact push-switches can be integrated.

Any number of extensions



Push-switch control element (6543/10-500)



Rotary control element (6543/11-500)



Busch-Timer® control element (6543/12-500)



Push-switch extension (2020 US)



Rotary dimmer extension (6592 U)


Maximum of 5 extensions



500 W



3,000 W



As much output as necessary – not more and not less. For perfect operation, MDRC dimmers should be placed with 1/2 module width distance in between to prevent over heating of the device.







Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® Complete unit in SI design with leading edge control For incandescent lamps and 230 V tungsten halogen lamps. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W IEC 60669-2-1, British Standard EN 60669-2-1 1)		
212 white	2200UJ-212	6514-0-0012	1/10
212 white	2110C -212	1717-0-0065	10
Cover plate for rotary dimmer 2200 UJ-212, for combinations			
1) Non-illuminable.			



	Busch-Rotary switch dimmer insert 1) For use in 2 gang connections 1 channel designed as dimmer. 1 channel designed as switch contact (1-gang 2-way contact element) with leading edge control For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated current 6A (changeover contact switch output). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 400 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
		6517U-1 01-500	6517-0-0018 1/10
1) In the case of conventional transformers, take ~20% transformer loss into account.			

	Busch Memory 2gang Dimmer 1) 2) For use in 2 gang connections For switching and dimming 2 independent devices. With trailing edge control. 2gang 1 way For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Compatible with control covers 6545-xxx. without cover, without cover plate Outputs: 2 independent dimmer channels. Rated power: 40-315 W/VA per channel. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz IEC 60669-2-1, British Standard EN 60669-2-1		
		6565U-50 0	6565-0-0057 1/10
1) Not suitable with conventional transformers. 2) In case of electronic transformers, 5 % transformer losses.			

	Busch-Dimmer® insert 1) 2) 3) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W IEC 60669-2-1, British Standard EN 60669-2-1		
		2250U	6515-0-0704 1/10
1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate. 2) Also applicable for 1gang 2way installations. 3) Provided with terminal for net disconnection devices.			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
		2247 U-500	6512-0-0302 1/10
1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate. 2) In the case of conventional transformers, take ~20% transformer loss into account. 3) Provided with terminal for net disconnection devices. 4) Also applicable for 1gang 2way installations.			

	Busch-Dimmer® insert 1) 2) 3) 4) With rotary control, soft-catch and with leading edge control. For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformer. Without cover plate. With adjustable minimum brightness. Rated voltage: 127 V~ Rated frequency: 60 Hz Rated power: 20 - 250 W IEC 60669-2-1, British Standard EN 60669-2-1		
		2247 U-127	6512-0-0297 1/10
1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate. 2) In the case of conventional transformers, take ~20% transformer loss into account. 3) Provided with terminal for net disconnection devices. 4) Also applicable for 1gang 2way installations.			

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
		6513 U-102-500	6513-0-0586 1/10
1) Not suitable with conventional transformers. 2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate. 3) In case of electronic transformers, 5 % transformer losses. 4) Provided with terminal for net disconnection devices. 5) Also applicable for 1gang 2way installations.			

	Busch-Dimmer® insert 1) 2) 3) 4) 5) With rotary control, 2way On-Off switching, and soft-catch; trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 550 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
		6519 U	6519-0-0011 1
1) Not suitable with conventional transformers. 2) Illuminable with neon lamp. Neon lamp included in delivery with cover plate. 3) In case of electronic transformers, 5 % transformer losses. 4) Provided with terminal for net disconnection devices. 5) Also applicable for 1gang 2way installations.			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer[®]insert 1) 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Short-circuit protected, overload-protected. With adjustable minimum brightness. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 1000 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6520 U-500	6520-0-0227	1/10

- 1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
- 2) In the case of conventional transformers, take ~20% transformer loss into account.
- 3) Provided with terminal for net disconnection devices.
- 4) Also applicable for 1gang 2way installations.

	Busch-Universal rotary dimmer insert 1) 2) 3) 4) with soft-catch with intelligence for universal operation For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible. Operation via rotary-type remote control 6592 U possible, without cover plate Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 60 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6591U-1 01-500	6513-0-0588	1/10

- 1) Illuminable with neon lamp 3855. Neon lamp included in delivery with cover plate.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In the case of conventional transformers, take ~20% transformer loss into account.
- 4) Control covers 2115-xxx and 6540-xxx.

	Busch-Universal rotary dimmer extension, Insert 1) for connection to 6591 U-101, To be used with Busch-Universal master dimmer 6583. with soft-catch A maximum of 5 multi-way extensions can be connected to a 6591U-101, Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz		
	6592U-50 0	6513-0-0590	1

- 1) Control covers 2115-xxx and 6540-xxx.

	Busch-Memory touch-dimmer 1) With light-level memory and leading edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Compatible with control covers 6543-xxx-10x. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Parallel operation of several transformers and/or incandescents lamps possible. Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 20 - 500 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6560 U-101	6560-0-1205	1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal master dimmer Insert 1) 2) 3) with light-level memory and intelligence for universal operation Selectable Soft-ON/OFF function and memory function. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. With push switch operation. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6593 U-500	6590-0-0171	1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.


	Busch-Universal master dimmer capacity booster The control is effected by a Busch-Universal master dimmer 6593 U or Busch-Universal rotary dimmer 6591U-101 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx. Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 200 - 315 W/VA IEC 60669-2-1, British Standard EN 60669-2-1		
	6594 U-500	6590-0-0172	1

	Busch-Universal dimmer Insert 1) 2) 3) With light-level memory, adjustable minimum brightness and with intelligence for universal operation. For incandescent lamps, 127 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or Electronic transformers. Compatible with control covers 6543-xxx-10x/6066-xx-10x/6810-xxx-10x/6800-xxx-10x(M)/6455/6813-10x. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. Rated voltage: 127 V~, +10 % / -10 % Rated frequency: 60 Hz Rated power: 100 - 210 W/VA		
	6590 U-127-500	6590-0-0156	1/10


- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) Not for use with power boosters.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Electronic potentiometer ^{1) 2) 3)} With rotary control. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Without cover plate. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1</p>			
	 2112 U-101-500	6599-0-2873	1/10

- 1) Non-illuminable.
 2) Use cover plates 2115 J-.../2115-.../6540-...
 3) Making-current limiters have to be provided in case of too high making currents.


 <p>Busch-Memory touch-type controller ^{1) 2)} 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1</p>			
	 6550U-1 01-500	6550-0-0042	1

- 1) Non-illuminable.
 2) with integrated making-current limiter


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>			

<i>alpha exclusive^{® 1)}</i>			
22G ivory	6540-22G	6599-0-2803	10
24G studio white	6540-24G	6599-0-2324	10
233 amber ^{*)}	6540-233	6599-0-2858	10/100
255 obsidian ^{*)}	6540-255	6599-0-2861	10/100
260 palladium ²⁾	6540-260	6599-0-2852	10/100
266 titanium ²⁾	6540-266	6599-0-2855	10
<i>alpha nea^{® 1)}</i>			
20 platinum ²⁾	6540-20	6599-0-1458	10
21 bronze ²⁾	6540-21	6599-0-1490	10
22G ivory	6540-22G	6599-0-2803	10
24 studio white	6540-24	6599-0-1540	10
24G studio white	6540-24G	6599-0-2324	10
26 brown ^{*)}	6540-26	6599-0-2275	10
28 hansa blue ^{*)}	6540-28	6599-0-2373	10
<i>impuls³⁾</i>			
71 brilliant black ^{*)}	6540-71	6599-0-2688	1
72 ivory	6540-72	6599-0-2916	1
74 alpine white	6540-74	6599-0-2084	1
79 champagne metallic ⁴⁾	6540-79	6599-0-2159	1
777 blackberry	6540-777	6599-0-2932	1
783 aluminium silver ⁴⁾	6540-783	6599-0-2917	1


- 1) Replacement neon lamp, Art. No. 3855.
 2) Real metal surface.
 3) Replacement neon lamp 3856.
 4) Surface painted.
 *) Phase-out type

 <p>Cover ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>			
	Busch-Duro 2000®SI		
212 white	2115J- 212	6599-0-1326	10
	Reflex SI		
214 alpinewhi te	2115 J-214	6599-0-0229	10

- 1) Replacement neon lamp, Art. No. 3855.

 <p>Cover plate ¹⁾ With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U.</p>			
	Busch-Duro 2000®SI		
212 white	2115-212	6599-0-1334	10/100
	Reflex SI		
214 alpinewhi te	2115-214	6599-0-0237	10/100


- 1) Replacement neon lamp, Art. No. 3855.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary knob, with indication lamp For Busch-Dimmer®. For inserts 2247 U, 2250 U, 6513 U-102, 6517 U-101, 6519 U, 6591 U-101, 2112 U-101, 6520 U, 6592 U. future® ¹)		
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
85 manhattan/graphite ¹)	6540-85-101	6599-0-2836	10/100
89 stone/lightgrey ¹)	6540-89-101	6599-0-2864	10/100
	future® | inear ¹)		
81 anthracite ¹)	6540-81-101	6599-0-2880	10
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
83 aluminiumsilver ²)	6540-83-101	6599-0-2886	10
84 davos/studio white	6540-84-101	6599-0-2833	10/100
89 stone/lightgrey ¹)	6540-89-101	6599-0-2864	10/100
	solo® ¹)		
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
85 manhattan/graphite ¹)	6540-85-101	6599-0-2836	10/100
86 samoa/light green ¹)	6540-86-101	6599-0-2839	10
87 toscana/purple	6540-87-101	6599-0-2842	10
88 attica/pigeon blue ¹)	6540-88-101	6599-0-2845	10
803 meteor/grey metallic	6540-803-101	6599-0-2941	10
815 sahara/yellow	6540-815-101	6599-0-2937	10
	Busch-axcent® ¹)		
84 davos/studio white	6540-84-101	6599-0-2833	10/100
	carat® ¹)		
81 anthracite ¹)	6540-81-101	6599-0-2880	10
82 savanna/ivory white	6540-82-101	6599-0-2830	10/100
84 davos/studio white	6540-84-101	6599-0-2833	10/100
	pure stainless steel ¹)		
866 stainlesssteel	6540-866-101	6599-0-2925	10/100


1) Replacement neon lamp, Art. No. 3855.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. alpha exclusive®		
22G ivory	6541-22G	6599-0-2795	10
24G studio white	6541-24G	6599-0-2332	10
233 amber ¹)	6541-233	6599-0-2859	10
255 obsidian ¹)	6541-255	6599-0-2862	10
260 palladium ¹) ²)	6541-260	6599-0-2853	10
266 titanium ¹) ²)	6541-266	6599-0-2856	10
	alpha nea®		
20 platinum ¹) ²)	6541-20	6599-0-1466	10
21 bronze ¹) ²)	6541-21	6599-0-1524	10
22G ivory	6541-22G	6599-0-2795	10
24 studio white	6541-24	6599-0-1557	10
24G studio white	6541-24G	6599-0-2332	10
26 brown ¹)	6541-26	6599-0-2276	10
28 hansa blue ¹)	6541-28	6599-0-2357	10
	impuls		
			
71 brilliant black ¹)	6541-71	6599-0-2647	10
72 ivory	6541-72	6599-0-2918	10
74 alpine white	6541-74	6599-0-2076	10
79 champagne metallic ³)	6541-79	6599-0-2142	10
777 blackberry	6541-777	6599-0-2933	10
783 aluminium silver ³)	6541-783	6599-0-2919	10

1) Not suitable for room thermostat 6134/10.
 2) Real metal surface.
 3) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. Busch-Duro 2000®SI		
212 white	2114-212	6599-0-1193	10
	Reflex SI		
214 alpinewhite	2114-214	6599-0-0195	10




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. future®		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
89 stone/lightgrey *)	6541-89	6599-0-2866	10
	future®| inear		
81 anthracite *)	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
83 aluminiumsilver *)	6541-83	6599-0-2885	10
84 davos/studio white	6541-84	6599-0-2835	10
89 stone/lightgrey *)	6541-89	6599-0-2866	10
	solo®		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
86 samoa/light green *)	6541-86	6599-0-2841	10
87 toscana/purple	6541-87	6599-0-2844	10
88 attica/pigeon blue *)	6541-88	6599-0-2847	10
803 meteor/grey metallic	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10
	Busch-axcent®		
84 davos/studio white	6541-84	6599-0-2835	10
	carat®		
81 anthracite *)	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
	pure stainless steel		
866 stainlesssteel	6541-866	6599-0-2924	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U. <i>alpha exclusive®</i>		
22G ivory	6543-22G-102	6599-0-2822	1/10
24G studio white	6543-24G-102	6599-0-2824	1/10
233 amber *)	6543-233-102	6599-0-2867	1/10
255 obsidian *)	6543-255-102	6599-0-2868	1/10
260 palladium 4)	6543-260-102	6599-0-2869	1/10
266 titanium 4)	6543-266-102	6599-0-2870	1/10
	<i>alpha nea®</i>		
20 platinum 4)	6543-20-102	6599-0-2820	1/10
21 bronze 4)	6543-21-102	6599-0-2821	1/10
22G ivory	6543-22G-102	6599-0-2822	1/10
24 studio white	6543-24-102	6599-0-2823	1/10
24G studio white	6543-24G-102	6599-0-2824	1/10
26 brown *)	6543-26-102	6599-0-2277	1/10
28 hansa blue *)	6543-28-102	6599-0-2827	1/10
	<i>impuls</i>		
71 brilliant black *)	6543-71-101	6599-0-2720	1
72 ivory	6543-72-101	6599-0-2920	1
74 alpine white	6543-74-101	6599-0-2597	1
79 champagne metallic 5)	6543-79-101	6599-0-2621	1
777 blackberry	6543-777-101	6599-0-2934	1
783 aluminium silver 5)	6543-783-101	6599-0-2921	1

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Real metal surface.
5) Surface painted.
*) Phase-out type

	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U		
	Busch-Duro 2000®SI		
212 white	6543-212-102	6599-0-2815	1/10
	Reflex SI		
214 alpinewhite	6543-214-102	6599-0-2816	1/10


1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) 2) 3) With neon lamp. Combinable with Busch-Universal touch-type controller 6550 U-10x, Busch Memory touch Dimmer 6560 U-101, Busch-Universal dimmer 6593 U, Busch-Universal relay switch insert 6401 U-10x, Busch Universal 2gang 1way insert 6402 U.		
			future®
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
85 manhattan/graphite *)	6543-85-101	6599-0-2837	1/10
89 stone/lightgrey *)	6543-89-101	6599-0-2865	1/10
			future® |inear
81 anthracite *)	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
83 aluminiumsilver *)	6543-83-101	6599-0-2887	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
89 stone/lightgrey *)	6543-89-101	6599-0-2865	1/10
			solo®
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
85 manhattan/graphite *)	6543-85-101	6599-0-2837	1/10
86 samoa/light green *)	6543-86-101	6599-0-2840	1/10
87 toscana/purple	6543-87-101	6599-0-2843	1/10
88 attica/pigeon blue *)	6543-88-101	6599-0-2846	1/10
803 meteor/grey metallic	6543-803-101	6599-0-2942	1/10
815 sahara/yellow	6543-815-101	6599-0-2938	1/10
			Busch-axcent®
84 davos/studio white	6543-84-101	6599-0-2834	1/10
			carat®
81 anthracite *)	6543-81-101	6599-0-2881	1/10
82 savanna/ivory white	6543-82-101	6599-0-2831	1/10
84 davos/studio white	6543-84-101	6599-0-2834	1/10
			pure stainless steel
866 stainlesssteel	6543-866-101	6599-0-2926	1/10

1) Compatible with previous type 6543-xxx.
2) Touch-type Controller 6550 U-xxx non-illuminable.
3) Replacement neon lamp 3857.
4) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
			alpha exclusive®
22G ivory	6545-22G	6599-0-2892	1/10
24G studio white	6545-24G	6599-0-2894	1/10
233 amber *)	6545-233	6599-0-2897	1/10
255 obsidian *)	6545-255	6599-0-2898	1/10
260 palladium 2)	6545-260	6599-0-2899	1/10
266 titanium 2)	6545-266	6599-0-2900	1/10
			alpha nea®
20 platinum 2)	6545-20	6599-0-2890	1/10
21 bronze 2)	6545-21	6599-0-2891	1/10
22G ivory	6545-22G	6599-0-2892	1/10
24 studio white	6545-24	6599-0-2893	1/10
24G studio white	6545-24G	6599-0-2894	1/10
26 brown *)	6545-26	6599-0-2895	1/10
28 hansa blue *)	6545-28	6599-0-2896	1/10
			impuls
			
71 brilliant black *)	6545-71	6599-0-2902	1
72 ivory	6545-72	6599-0-2922	1
74 alpine white	6545-74	6599-0-2903	1
79 champagne metallic 3)	6545-79	6599-0-2905	1
777 blackberry	6545-777	6599-0-2935	1
783 aluminium silver 3)	6545-783	6599-0-2923	1



1) Replacement neon lamp 3857.
2) Real metal surface.
3) Surface painted.
*) Phase-out type

	Control element 1) With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
			Busch-Duro 2000®SI
212 white	6545-212	6599-0-2888	1/10
			Reflex SI
214 alpinewhite	6545-214	6599-0-2889	1/10

1) Replacement neon lamp 3857.

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. Combinable with Busch Memory 2gang Dimmer 6565 U.		
	future®		
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
85 manhattan/graphite *)	6545-85	6599-0-2909	1/10
89 stone/lightgrey *)	6545-89	6599-0-2913	1/10
	future®| inear		
81 anthracite *)	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
83 aluminiumsilver *)	6545-83	6599-0-2914	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
89 stone/lightgrey *)	6545-89	6599-0-2913	1/10
	solo®		
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
85 manhattan/graphite *)	6545-85	6599-0-2909	1/10
86 samoa/light green *)	6545-86	6599-0-2910	1/10
87 toscana/purple	6545-87	6599-0-2911	1/10
88 attica/pigeon blue *)	6545-88	6599-0-2912	1/10
803 meteor/grey metallic	6545-803	6599-0-2943	1/10
815 sahara/yellow	6545-815	6599-0-2939	1/10
	Busch-axcent®		
84 davos/studio white	6545-84	6599-0-2908	1/10
	carat®		
81 anthracite *)	6545-81	6599-0-2906	1/10
82 savanna/ivory white	6545-82	6599-0-2907	1/10
84 davos/studio white	6545-84	6599-0-2908	1/10
	pure stainless steel		
866 stainlesssteel	6545-866	6599-0-2927	1/10

1) Replacement neon lamp3857.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	alpha exclusive®		
22G ivory	6066-22G-102	6020-0-1318	1/10
24G studio white	6066-24G-102	6020-0-1320	1/10
233 amber *)	6066-233-102	6020-0-1363	1/10
255 obsidian *)	6066-255-102	6020-0-1364	1/10
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10
	alpha nea®		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studio white	6066-24-102-500	6020-0-1371	1
24G studio white	6066-24G-102-500	6020-0-1372	1
28 hansa blue *)	6066-28-102	6020-0-1323	10
	impuls		
			
71 brilliant black *)	6066-71-101	6020-0-1042	1
72 ivory	6066-72-101	6020-0-1385	1
74 alpine white	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
777 blackberry	6066-777-101	6020-0-1391	1
783 aluminium silver ²⁾	6066-783-101	6020-0-1386	1

1) Touch-type Controller 6550 U-xxx non-illuminable
 2) Surface painted.
 *) Phase-out type



Product	Article-No.	Order-No.	Pack/Qty
	IR control element 1) With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
		future®	
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
85 manhattan/graphite *)	6066-85	6020-0-1336	10/10
89 stone/lightgrey *)	6066-89	6020-0-1361	1/10
		future®| inear	
81 anthracite *)	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
83 aluminiumsilver 2)*)	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
89 stone/lightgrey *)	6066-89	6020-0-1361	1/10
		solo®	
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
85 manhattan/graphite *)	6066-85	6020-0-1336	10/10
86 samoa/light green *)	6066-86	6020-0-1338	1/10
87 toscana/purple	6066-87	6020-0-1340	1/10
88 attica/pigeon blue *)	6066-88	6020-0-1342	1
803 meteor/grey metallic	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10
		Busch-axcent®	
84 davos/studio white	6066-84	6020-0-1334	1/10
		carat®	
81 anthracite *)	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
		pure stainless steel	
866 stainlesssteel	6066-866	6020-0-1389	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type



Product	Article-No.	Order-No.	Pack/Qty
	Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. Useradjustable sun protection and dimming function. Useradjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. Combined with the Busch-Universal master dimmer insert 6593 U, the brightness of the lighting can be set for every switch-on time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101 Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.





Product	Article-No.	Order-No.	Pack/Qty
	Busch-Dimmer[®] 1) 2) 3) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps and 230 V tungsten halogen lamps. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 600 W module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1		
	2250K B	6531-0-0032	1/10



- 1) Also applicable for 1gang 2way installations.
- 2) Provided with terminal for net disconnection devices.
- 3) 1 MW 18 mm.

	Busch-Dimmer[®] 1) 2) 3) 4) With rotary control, 2way On-Off switching and soft-catch. Leading Edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. With adjustable minimum brightness. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 500 W/VA module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1		
	2247-500	6512-0-0248	1



- 1) In the case of conventional transformers, take ~20% transformer loss into account.
- 2) Provided with terminal for net disconnection devices.
- 3) Also applicable for 1gang 2way installations.
- 4) 1 MW 18 mm.

	Busch-Dimmer[®] 1) 2) 3) 4) 5) With rotary control and soft-catch, with trailing edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with electronic transformers. Low-noise, short-circuit protected, overload-protected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 40 - 420 W/VA module width: 3 MW IEC 60669-2-1, British Standard EN 60669-2-1		
	6513-102-500	6513-0-0543	1


- 1) Also applicable for 1gang 2way installations.
- 2) In case of electronic transformers, 5 % transformer losses.
- 3) Provided with terminal for net disconnection devices.
- 4) Not suitable with conventional transformers.
- 5) 1 MW 18 mm.

	Busch-Electronic potentiometer 1) 2) For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 700 W/VA module width: 3 MW		
	2112-101	6599-0-2266	1



- 1) Making-current limiters have to be provided in case of too high making currents.
- 2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Memory touch-type controller 1) 2) 3) For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For LED control via control gears Operation only possible via conventional push button (2020 US/2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W module width: 2 MW		
	6550	6550-0-0016	1

- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) Suitable for ECG by Philips, Siemens and similar 0/1-10V control input.
- 3) 1 MW 18 mm.

	Busch-Universal master dimmer 1) 2) 3) 4) 5) Universal Central Dimmer modular. For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional or Busch-Electronic transformers. With light-level memory, adjustable minimum brightness and with intelligence for universal operation. Capacity expansion via output-side parallel-connected load line (with RJ 12 plug) with a power module 6584 (max. 6 pcs = 3000 W/VA total wattage). Compatible with control module 6597, ABB i-bus [®] KNX in combination with control module 6197/11-10x. Operation using a plug-in push switch/rotary and timer control cover 6543/10, ..11, -12 and/or a conventional push switch (2020 US or 2021/6 UK or Rotary Dimmer insert for combination with flush-mounted inserts 6592 U. Low-noise, short-circuit protected, overload-protected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 60 - 500 W/VA Temperature range (Device): 0 °C to 45 °C module width: 2 MW		
	6583-500	6590-0-0178	1/10

- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) Not suitable for generator networks.
- 3) 1 MW 18 mm.
- 4) In case of electronic transformers, 5 % transformer losses.
- 5) In the case of conventional transformers, take ~20% transformer loss into account.

	Busch-Universal master dimmer capacity booster 1) 2) To be used with Busch-Universal master dimmer 6583. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. A combination of up to 6 power electronic modules (3,000 W/VA) possible. With ready-made line with jack (RJ12) for connecting to central dimmer 6583. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Rated power: 200 - 420 W/VA module width: 2 MW		
	6584-500	6590-0-0179	1/10

- 1) For greater loads, it is mandatory to provide for sufficient ventilation.
- 2) 1 MW 18 mm.

	Push button cover To be used with Busch-Universal master dimmer 6583. Can be combined by replacing the cover of the master dimmer.		
6543/10-500	6590-0-0181	1/10	

Electronic control equipment Rail-mounted devices

Accessories for Electronic Control Devices



Product	Article-No.	Order-No.	Pack/Qty
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Rotary knob cover
To be used with Busch-Universal master dimmer 6583. Can be combined by replacing the cover of the master dimmer.

6543/11-500 6590-0-0183 1/10



Busch-Timer® control cover
For time-controlled switching of the Busch-Universal master dimmer 6583. Annual Timer with max. 48 timer programmes. Optional special programmes. Can be combined by replacing the cover of the master dimmer.

6543/12-500 6590-0-0185 1/10



Busch-Memory touch-dimmer 1) 2) 3)
With light-level memory and leading edge control. For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Parallel operation of several transformers and/or incandescents lamps possible. Operation only possible via conventional push button (2020 US/2021/6 UK). Parallel operation of several transformers and/or incandescents lamps possible. Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 20 - 500 W/VA
module width: 3 MW

   **6560-101** 6560-0-1206 1

1) Illumination of the push switch is only possible with N-conductor terminal.
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) 1 MW 18 mm.



Control unit for universal dimmer, MDRC 1)
For Busch-Universal master dimmer insert 6593/94... . To be used with Busch-Universal master dimmer 6583. For controlling up to 2 x 9 groups. On-site operation via control input 0-10 V DC/0-20mA or conventional push switches (2020 US, 2021/6 UK). Special adjustable functions, e.g. cleaning light, vacation, group control, etc. Up to 6 devices cascable. Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Inputs: 2
Control/Signal outputs: 2, electronic output, with pulse-width modulated
max. length: 2 m
Protection class (Device): IP 20
module width: 2 MW

6597-500 6590-0-0155 1/10

1) 1 MW 18 mm.




Brightness sensor
For control unit 6597.

6598 6590-0-0168 10

Product	Article-No.	Order-No.	Pack/Qty
---------	-------------	-----------	----------



IR dimmer 1-10 V
For luminaires. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 500 W
Temperature range (Device): 0 °C to 60 °C

 **6045-500** 6020-0-1265



IR dimmer 1) 2) with adapter plug
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. Socket outlet ready for connection. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 20 - 400 W/VA

   **6070-24-500** 6020-0-1158 1

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) Spare fuse: T 1.6 A



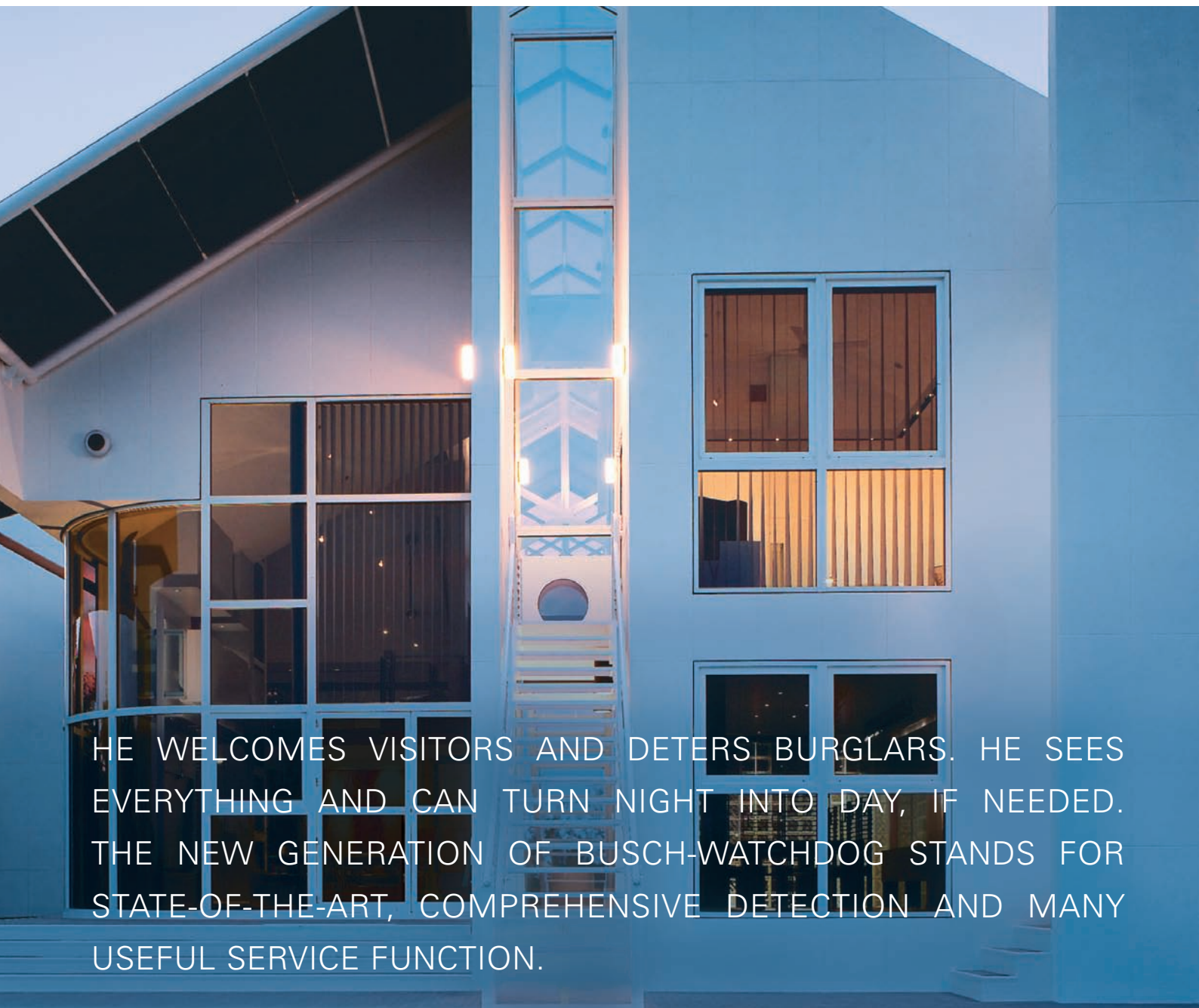
Label holder
For Busch-Jaeger MDRC components. For clipping onto the respective grooves on the device

3099-0-0306 3099-0-0306

Labelling sheet to match label-holder 3099-0-0306. Sheet of 250 labels.

3099-0-0314 3099-0-0314 1/20

A watchdog that never sleeps.



HE WELCOMES VISITORS AND DETERS BURGLARS. HE SEES EVERYTHING AND CAN TURN NIGHT INTO DAY, IF NEEDED. THE NEW GENERATION OF BUSCH-WATCHDOG STANDS FOR STATE-OF-THE-ART, COMPREHENSIVE DETECTION AND MANY USEFUL SERVICE FUNCTION.



Busch-Watchdog 90 ProfessionalLINE

The professional for terraced houses.

Busch-Watchdog 90 ProfessionalLINE offers perfect protection with the targeted monitoring of terraced houses, driveways, pedestrian paths, parking garages, and entrances. The crawl guard provides additional security.



Busch-Watchdog 220 AlarmLINE with red warning light

The security professional.

Its detection angle of 220°, range of 16 m on all sides, and a second security zone provide the best detection. The red warning light signals any step into the security zone. It can differentiate both directions of movement: movement toward the object and away from the object.



Built-in receiver WaveLINE

Independent, flexible, wireless

If the Busch-Watchdog 220 WaveLINE detects a movement, it then transfers the switch-on signal to the built-in receiver, which can even be installed in a deep flush-mounted socket outlet underneath a push-switch near the lamp.



Busch-Watchdog 220 WaveLINE.
Colour: white.

*Certified for barrier-free living.



Busch-Watchdog, surface-mounted	330
Corner adapter	332
IR remote control	332
Busch-Watchdog presence tech	333
Busch-Watchdog, flush-mounted	333
Twilight switch	338

This switch can sense your needs.

A flush-mounted movement detector is, to all intents and purposes, just a light switch – one you don't have to press. It activates when it gets dark and it senses body heat. It will switch on automatically to show you the way - even if you have no hands free.

Selection guide: the Busch-Watchdog flush-mounted range

	Standard	Comfort II*					All Weather 44®
	6810-212/214-101	6800-21x-104	6800-2x-104	6800-8x-104	6800-7x-104	6800-3X-102C	
Select lens							
	6813-xx 6813/11-xx	6800-21x-104M	6800-2x-104M	6800-8x-104M	6800-7x-104M		
Multi-lens							
	6812 U-101	6804 U-101	6593 U	6402 U	6805 U	6401 U-102	
							
	Relay insert 700 W/VA 3-wire technology	MOSFET insert 60-420 W/VA 2-wire technology	Universal Master Dimmer 60-420 W/VA 2-wire technology	Universal 2gang-1way insert, 2,300 W/VA, 3- wire technology	Extension, 3-wire technology	Universal relay insert, 2,300 W/VA, 3-wire technology	
					Compatible with 6401 U-102		

IP 44
Frost-proof to -25°C
Caution!
Use outdoors only with 6401 U-102!

***Switch-off behaviour:**
In combination with 6593 U (soft OFF function), the Comfort II sensor dims and switches off within 60 seconds.

2020 US (NO contact push-switch)



Slide switch

Always on, always off, or automatic mode can be individually selected using the slide switch. Optionally, the slide switch can be fixed to automatic mode using a screw on the back side, e.g. in public buildings.

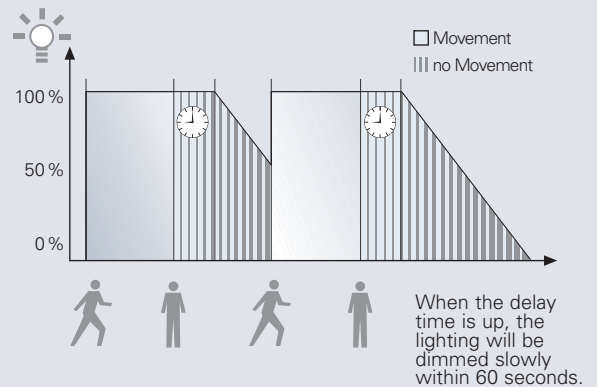
Simply safer – provides you an extra hand

Hold on to what's precious: put your kids to bed without a care – Busch-Watchdog lights your way.



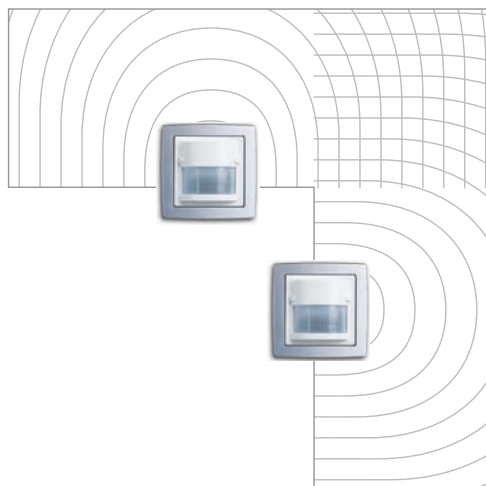
The convenient combination: The movement detector and dimmer of Busch-Jaeger do not suddenly leave you in the dark.

FM insert: Dimmer 6593 U
Busch-Watchdog sensor: 6800-xx-104M



Application of main and auxiliary units

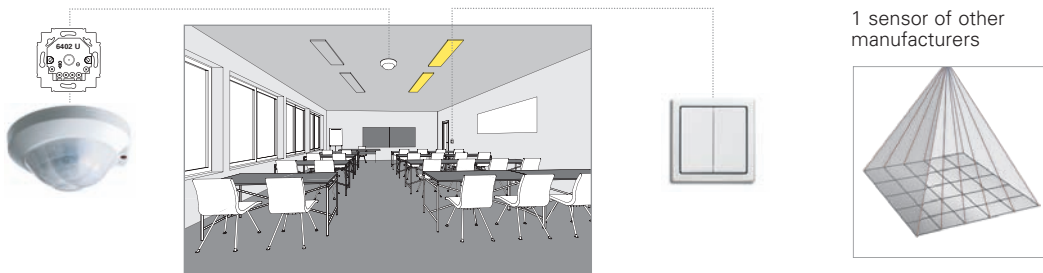
If more than only one movement detector is requirement, additional movement detectors can be installed using extension inserts. This makes sense, for example, in the case of L-shaped corridors.



Detection zones of the FM Watchdog

	Detection levels	Detection zone	Limiting the detection zone																													
Select lens		<table border="1"> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> <tr> <td>0.8-1.2 m</td> <td>12 m</td> <td>8 m</td> </tr> </table>	Mounting ht.	Front	Side	0.8-1.2 m	12 m	8 m	Horizontal Mask along the side using the blind 	Vertical No narrowing possible since there is only one detection level.																						
Mounting ht.	Front	Side																														
0.8-1.2 m	12 m	8 m																														
Multi-lens		<table border="1"> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> <tr> <td>1.2 m</td> <td>10 m</td> <td>2.5 m</td> </tr> <tr> <td>2.0 m</td> <td>12 m</td> <td>4 m</td> </tr> <tr> <td>2.5 m</td> <td>15 m</td> <td>5 m</td> </tr> </table>	Mounting ht.	Front	Side	1.2 m	10 m	2.5 m	2.0 m	12 m	4 m	2.5 m	15 m	5 m	Horizontal Mask along the side using the blind 	By masking off the wide range, detection can be limited to the close range. <table border="1"> <tr> <th>Mounting ht.</th> <th>Remote</th> <th>Close</th> </tr> <tr> <td>1.2 m</td> <td>10 m</td> <td>2 m</td> </tr> <tr> <td>2.0 m</td> <td>12 m</td> <td>3 m</td> </tr> <tr> <td>2.5 m</td> <td>15 m</td> <td>3.5 m</td> </tr> </table>	Mounting ht.	Remote	Close	1.2 m	10 m	2 m	2.0 m	12 m	3 m	2.5 m	15 m	3.5 m				
Mounting ht.	Front	Side																														
1.2 m	10 m	2.5 m																														
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1.2 m	10 m	2 m																														
2.0 m	12 m	3 m																														
2.5 m	15 m	3.5 m																														
Combi lens		<table border="1"> <tr> <th>Mounting ht.</th> <th>Front</th> <th>Side</th> </tr> <tr> <td>1.2 m</td> <td>9 m</td> <td>4 m</td> </tr> <tr> <td>2.0 m</td> <td>12 m</td> <td>8 m</td> </tr> <tr> <td>2.5 m</td> <td>15 m</td> <td>10 m</td> </tr> </table>	Mounting ht.	Front	Side	1.2 m	9 m	4 m	2.0 m	12 m	8 m	2.5 m	15 m	10 m	Horizontal Mask along the side using the blind 	By masking off the wide or medium range, detection can be limited to the medium or close range. <table border="1"> <tr> <th>Mounting ht.</th> <th>Remote</th> <th>Medium</th> <th>Close</th> </tr> <tr> <td>1.2 m</td> <td>9 m</td> <td>3 m</td> <td>1 m</td> </tr> <tr> <td>2.0 m</td> <td>12 m</td> <td>8 m</td> <td>3 m</td> </tr> <tr> <td>2.5 m</td> <td>15 m</td> <td>11 m</td> <td>3.5 m</td> </tr> </table>	Mounting ht.	Remote	Medium	Close	1.2 m	9 m	3 m	1 m	2.0 m	12 m	8 m	3 m	2.5 m	15 m	11 m	3.5 m
Mounting ht.	Front	Side																														
1.2 m	9 m	4 m																														
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Mounting ht.	Remote	Medium	Close																													
1.2 m	9 m	3 m	1 m																													
2.0 m	12 m	8 m	3 m																													
2.5 m	15 m	11 m	3.5 m																													

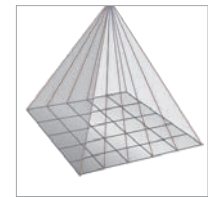
Application example: DualLINE presence detector



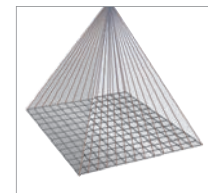
Today, presence detectors are a vital part of all publicly and commercially used buildings and result in great savings. The new Busch-Watchdog presence dualLINE, however, does not just monitor rooms – it also offers many useful additional functions.

- Control two independent lighting rows by only one presence detector dependent on daylight.
- Either fully automatic or semiautomatic mode: activation and deactivation is controlled only by the presence detector or activation is controlled by a push-switch, while deactivation takes place automatically.
- In fully automatic operation, the presence detector can be switched to continuous OFF using the push-switch; activation using the push-switch is possible at any time.
- Manual continuous lighting is possible via push-switch: the automatic return to automatic mode takes place when no more movement is detected.

1 sensor of other manufacturers



4 sensors and mirror/lens system of Busch-Watchdog presence tech



The detection system consisting of sensors and mirrors is far superior to common movement sensors. Even the smallest movement is detected.

Overview of Busch-Watchdog, surface-mounted



Busch-Watchdog 220 AlarmLINE
6849 AGM-204



Busch-Watchdog 220 ProfessionalLINE
6845/11 AGM-204



Busch-Watchdog 280 ProfessionalLINE
6846 AGM-204



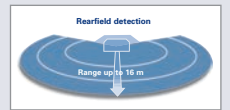
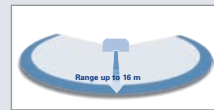
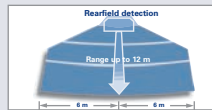
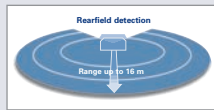
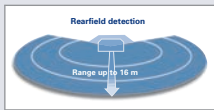
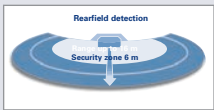
Busch-Watchdog 90 ProfessionalLINE
6853 AGM-204



Busch-Watchdog 220 SelectLINE
6845 AGS-204

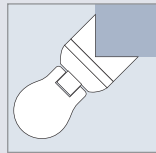
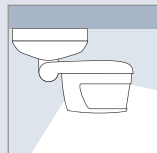
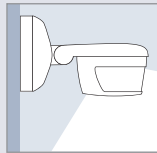


Busch-Watchdog 220 WaveLINE
6745 AGM-204



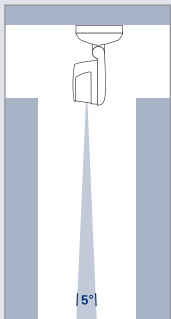
Mounting possibilities

- Wall mounting
- Ceiling mounting
- Corner mounting (using the corner adapter)

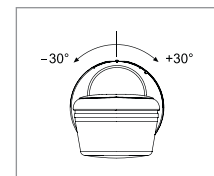
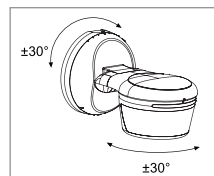
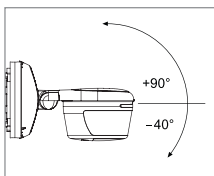
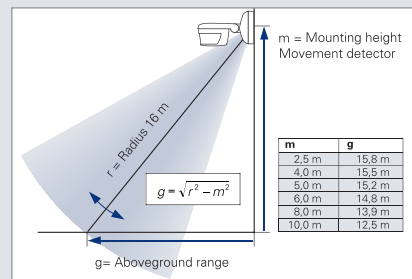


Corner adapter for Busch-Watchdog ProfessionalLINE
6887-204

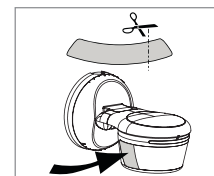
Busch-Watchdog 220 SelectLINE



- Particularly thin, discoidal detection zone
- Horizontally aligned detection with a flat, wide-area cover, e.g. suitable for warehouse passageways in large industrial premises
- In case of an attachment height of 1.5 metres, for example – horizontally aligned – a one-metre-high area in which no detection takes place arises. → Animals are thus not detected, while people always are.



- Regulation of the range due to turning, switching, or partially covering



- The optimum mounting height is 2.50 m.



Modular design of electronic inserts and control elements.

		Switching					Dimming				Blind	
FM insert		Universal relay insert 6401 U-102	Universal 2gang-1way insert 6402 U	Relay insert 6812 U-101	MOSFET insert 6804 U-101	Extension insert 6805 U	Universal master dimmer insert 6593 U	Memory touch-type controller 6550 U-101	Memory 2gang-1way dimmer, 2gang 6565 U	Memory touch dimmer 6560 U-101	Basic blind insert 6418 U	Blind control II insert 6411 U-101/6411 U/S-101
Switch./dim. cap.		2.300 W/WA All loads 10 AX	2.300 W/WA All loads 10 AX	700 W/WA All loads 3 A	60-240 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional or Busch-electronic transformers	Active Watchdog extension for 6401 U-102, 6402 U, 6804 U-101, 6593 U, and 6550 U-101	60-420 W/WA, expandable by 6594 U up to 735 W/WA 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional or Busch-electronic transformers	ECG = 0/1-10 V, LEDs with electronic control gear, 700 W/WA, higher contact load possible with external relay, 50 mA control current	2 x 40-315 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with electronic transformer	20-500 W/WA, 230 V incandescent and halogen lamps, low-voltage halogen lamps with conventional transformer	690 VA, 3 A at cos 0.5	690 VA, 3 A at cos phi 0.5
Timer control element	 Comfort timer control element 6455	X Timer with maintained contact (for switching lights, pumps etc.)					X (Timer with adjustable brightness values)	X (timer with adjustable brightness values)				X (timer with 3-minute contact for lowering and raising blinds)
	 Standard timer control element 6456										X (timer with 3-minute contact for lowering and raising blinds)	
	 Busch-Memory control element 6457										X (memory timer with 3-minute contact for lowering and raising blinds)	
Surface mounting	 Busch-Watchdog presencetech DualLINE 6813/11-xxx	X *) (either semi-automatic or fully automatic operation)	X *) (for controlling two independent lighting rows)	X *) (fully automatic operation only)	X *) (either semi-automatic or fully automatic operation)	X *)	X *) (constant light regulation, either semiautomatic or fully automatic operation)	X *) (constant light regulation, either semiautomatic or fully automatic operation)				
	 Busch-Watchdog presencetech 6813-xxx-101	X *)	X *) (heating, air conditioning, ventilation function, Output 2 with switch-on/switch-off delay in relation to Output 1)	X *)	X *)	X *)	X *) (constant light regulation)	X *) (constant light regulation)				
	 Busch-Watchdog sensor All-Weather 44 with combination lens 6800-3x-102C	X (only 6401 U-102 for outdoor use, frost-proof up to -25°C)	X (Output 2 with switch-on/switch-off delay in relation to Output 1)						X			
	 Busch-Watchdog comfort sensor (multilens) 6800-xxx-104(M)	X	X (Output 2 with switch-on/switch-off delay in relation to Output 1)	X	X	X	X (Soft OFF mode: dim down/switch off within the final minute/switch-off warning)	X				
	 Busch-Watchdog sensor standard 6810-21x	X	X (Output 2 with switch-on/switch-off delay in relation to Output 1)	X	X	X	X	X				
	 Busch-Remote control IR control element 6067-xxx-xxx	X *) (latching relay)	X *) (latching relay, 2 NO contacts, separate slave contact for light and fan control)									
Control element	 Busch-Remote control IR control element 6066-xxx-xxx		X *) (electronic serial switch, remote-controllable, 2 NO contacts)				X	X				X
	 Busch-Blind control II control element 6430-xxx-xxx		X (electronic 2gang switch, 2 NO contacts)								X	X
	 Control Element for Memory 2gang dimmer 6545-xxx								X			
	 Touch dimmer control element 6543-xxx-10x	X) (latching relay)	X (latching relay, 2 NO contacts, separate slave contact for light and fan control)					X	X		X	
		Switching					Dimming				Blind	

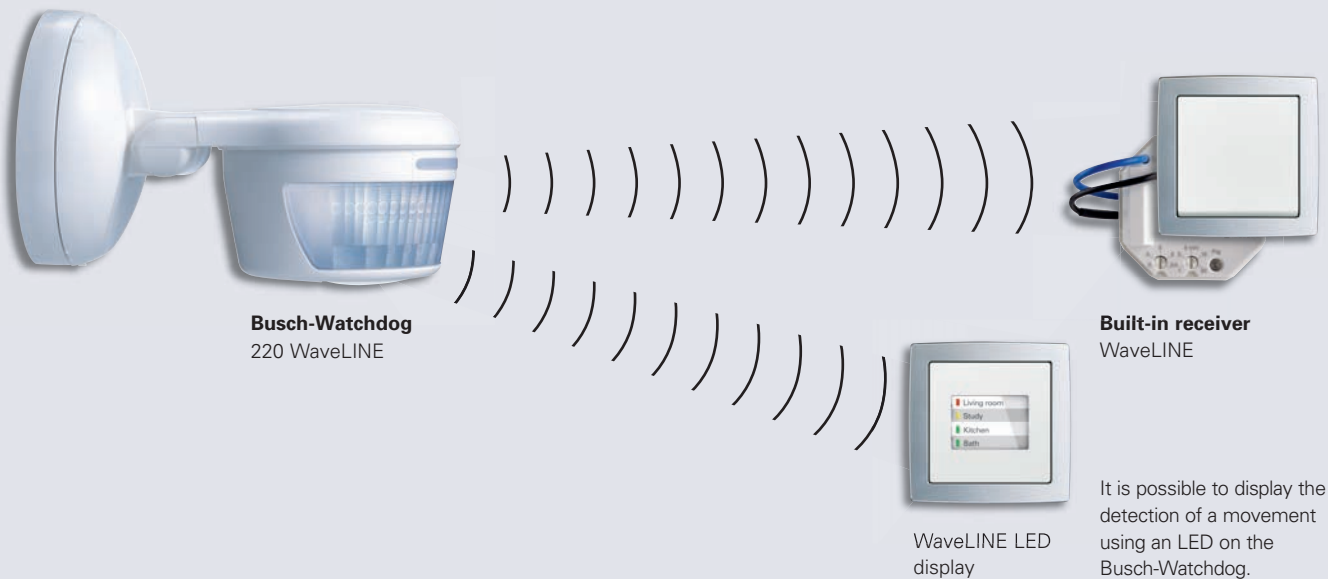
Busch-Watchdog 220 WaveLINE.

Due to the distribution of the sensor and actuator functions across two devices, this Busch-Watchdog opens up completely new application possibilities. The sensor can be placed fully freely wherever it optimally monitors the entire detection range. It works particularly energy-saving so that the high-power batteries used last up to 10 years. If it detects a movement, it then transfers the switch-on signal to the built-in receiver, which can even be installed in a

deep flush-mounted socket outlet underneath a push-switch near the lamp. In addition, it is possible to assign several sensors to a single actuator and thus reliably monitor even angled areas. The mounting of the WaveLINE Watchdog could not be easier. Wiring is not required due to battery operation. With only one fastening screw, the wall connection socket is quickly attached to the wall. In the process, a rubber absorber provides perfect adjustment in case of

an uneven foundation. Adapters for mounting to house corners or downpipes are also available. The sensor itself is then connected to the wall connection socket via a bayonet lock and can be turned by 30°, for example, for the equalisation of slopes. A battery test can be performed directly on the device and the sending of a low-battery message to a detector is also possible.

Even without the supply voltage, movement can be reliably detected. The battery-operated watchdog sensors can be mounted onto any terrain.



Product **Article-No.** Order-No. Pack/Qty



**Busch-Watchdog 220 AlarmLINE 1)
incl. IR remote control**

Electronic movement detector for detecting thermal motion.
For potential-free operation.
With additional, separately evaluated detection level (safety zone).
With optical alarm and second switch output for detection in the safety zone.
Remote control possible via IR remote control 6841 (included in delivery).
Remote configurable via IR service remote control 6842.
With display for detection and operation mode.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Detection sensitivity selectable in 3 steps.
Surveillance density: 104 sectors with 416 switching segments.
All functions controlled by microprocessor.
Permanent light and presence simulation can be activated via remote control.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With brightness-independent test mode for evaluating the detection zone.
Additional possibility for switch-on via normally open push-button switch.
Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 10 AX, cos 0.6
Rated power: 2300 W/VA
Control/Signal outputs: 1, Normally open contact, potential free
Rated power: 0.12 - 2300 W/VA
Detection range: frontal: 16 m, lateral: 16 m
Detection range 2: frontal: 6 m, lateral: 6 m
Detection angle: 220 °
Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	6849 AGM-201	6800-0-2311	1
204 white	6849 AGM-204-5000	6800-0-2314	1
208 silver metallic	6849 AGM-208	6800-0-2313	1
35 anthracite	6849 AGM-35	6800-0-2312	1

1) In combination with a relay/contactors, an RC suppressor 6899 has to be used.

Product **Article-No.** Order-No. Pack/Qty



Busch-Watchdog 220 WaveLINE 1) 2) 3)

Wireless movement detector for detecting thermal motion.
With display for detection and status indication.
With ground and rear-field detection.
With planar compensation: +/- 30°.
With high-quality lens for optimum detection.
Detection sensitivity selectable in 3 steps.
Surveillance density: 84 sectors with 336 switching segments.
All functions controlled by microprocessor.
With automatic range stabilization.
With automatic interference suppression.
With automatic dazzle-proofing.
With automatic battery monitoring.
With brightness-independent test mode for evaluating the detection zone.
Can be combined with WaveLINE 6701 built-in receiver.
For standalone and group operation.
Switch-off delay: 3 min. (standalone mode), adjustable at actuator (group operation).
Send frequency: 868 MHz.
Range in free field: approx.100 m
Power supply: 3x 1.5 V batteries, type: mignon cell batteries (IEC LR06, AA).
Battery life: approx. 5 years
Rated voltage: 4.5 V-
Detection range: frontal: 16 m, lateral: 16 m
Detection angle: 220 °
Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
Mounting height: 2.5 m
Protection class (Device): IP 55
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	6745 AGM-201	6700-0-0019	1
204 white	6745 AGM-204	6700-0-0018	1/10
208 silver metallic	6745 AGM-208	6700-0-0021	1
35 anthracite	6745 AGM-35	6700-0-0020	1

1) Battery not included in delivery.

2) Recommended battery type: lithium batteries: IEC FR06 (LR1 AA 1,5V).

3) Alternative battery type: alkaline-manganese batteries: IEC LR06 (AA 1,5V).



Built-in wireless receiver

For Busch-Watchdog WaveLINE.
For WaveLINE 6721-xx universal signalling unit.
For wireless switching of electrical loads.
Repeater function can be activated for extended range.
For functions: permanent ON/1gang/1 way, timer and light scene control.
Switch-off delay: 60 to 30 min., adjustable.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For universal attachment or installation.
For installation in (deep) flush-mounted boxes to German Standard DIN 4973, Part 1.
Controllable up to 48 transmission addresses.
Send/receive frequency: 868 MHz.
Range in free field: approx.100 m
Control element: Adjustable potentiometer
Display elements: Output status indication via LED.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Inputs: 1
Polling voltage: 230 V~, Sensing pulse, L-wire
Outputs: 1x Normally open contact
Suitable for: Resistive load
Rated current: 10 A
Output voltage: 230 V~
Rated power: 2300 W
Suitable for: capacitive
Rated current: 10 AX
Output voltage: 230 V~
Rated power: 2300 VA
Suitable for: inductive
Rated current: 10 A, cos 0.6
Output voltage: 230 V~
Rated power: 2300 VA
Protection class (Device): IP 20
Temperature range (Device): -25 °C to 55 °C
Dimensions: (L x W x D): 47 mm x 48 mm x 30 mm
Installation depth: 30 mm

white	6701	6700-0-0022	1/10
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Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 90 ProfessionalLINE 1)
 Electronic movement detector for detecting thermal motion.
 With display for detection and operation mode.
 With ground and rear-field detection.
 With planar compensation: +/- 30°.
 With high-quality lens for optimum detection.
 Surveillance density: 50 sectors with 200 switching segments.
 With brightness-independent test mode for evaluating the detection zone.
 Additional possibility for switch-on via normally open push-button switch.
 Switch-off delay option: 1 / 3 or 5 min.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: ohmic, capacitive and inductive loads
 Rated current: 16 AX, cos 0.6
 Rated power: 3680 W/VA
 Detection range: frontal: 12 m, lateral: 6 m
 Detection angle: 90 °
 Brightness limit value: 3 Lux / 15 lux / daytime operation
 Mounting height: 2.5 m
 Protection class (Device): IP 55
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

201 brown	6853 AGM-201	6800-0-2318	1
204 white	6853 AGM-204-500	6800-0-2321	1/10
208 silver metallic	6853 AGM-208	6800-0-2320	1
35 anthracite	6853 AGM-35-500	6800-0-2322	1

1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 220 ProfessionalLINE 1)
 Electronic movement detector for detecting thermal motion.
 Remote control possible via IR remote control 6841 (included in delivery).
 Remote configurable via IR service remote control 6842.
 With display for detection and operation mode.
 With ground and rear-field detection.
 With planar compensation: +/- 30°.
 With high-quality lens for optimum detection.
 Detection sensitivity selectable in 3 steps.
 Surveillance density: 84 sectors with 336 switching segments.
 All functions controlled by microprocessor.
 Permanent light and presence simulation can be activated via remote control.
 With automatic range stabilization.
 With automatic interference suppression.
 With automatic dazzle-proofing.
 With brightness-independent test mode for evaluating the detection zone.
 Additional possibility for switch-on via normally open push-button switch.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: ohmic, capacitive and inductive loads
 Rated current: 16 AX, cos 0.6
 Rated power: 3680 W/VA
 Detection range: frontal: 16 m, lateral: 16 m
 Detection angle: 220 °
 Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
 Mounting height: 2.5 m
 Protection class (Device): IP 55
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

incl. IR remote control

201 brown	6845 AGM-201-500	6800-0-2301	1
204 white	6845 AGM-204-500	6800-0-2300	1/10
208 silver metallic	6845 AGM-208-500	6800-0-2303	1
35 anthracite	6845 AGM-35-500	6800-0-2302	1

without IR remote control

201 brown	6845/11AGM-201-500	6800-0-2335	1
204 white	6845/11AGM-204-500	6800-0-2334	1
35 anthracite	6845/11 AGM-35-500	6800-0-2336	1
208 silver metallic	6845/11AGM-208-500	6800-0-2337	1

1) In combination with a relay/contactator, an RC suppressor 6899 has to be used.



Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog 220 SelectLINE ¹⁾

Electronic movement detector for detecting thermal motion.
 Remote control possible via IR mobile remote control 6841.
 Remote configurable via IR service remote control 6842.
 With display for detection and operation mode.
 With planar compensation: +/- 30°.
 With high-quality lens for optimum detection.
 Detection sensitivity selectable in 3 steps.
 Surveillance density: 28 sectors with 112 switching segments.
 All functions controlled by microprocessor.
 Permanent light and presence simulation can be activated via remote control.
 With automatic range stabilization.
 With automatic interference suppression.
 With automatic dazzle-proofing.
 With brightness-independent test mode for evaluating the detection zone.
 Additional possibility for switch-on via normally open push-button switch.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: ohmic, capacitive and inductive loads
 Rated current: 16 AX, cos 0.6
 Rated power: 3680 W/VA
 Detection range: frontal: 16 m, lateral: 16 m
 Detection angle: 220 °
 Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
 Mounting height: 1.1 m - 1.5 m alternative: 2.5 m
 Protection class (Device): IP 55
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

204 white	6845 AGS-204	6800-0-2315	1/10
35 anthracite	6845 AGS-35	6800-0-2316	1

1) In combination with a relay/contact, an RC suppressor 6899 has to be used.

Product	Article-No.	Order-No.	Pack/Qty
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Busch Watchdog 280 ProfessionalLINE ¹⁾ incl. IR remote control

Electronic movement detector for detecting thermal motion.
 Remote control possible via IR remote control 6841 (included in delivery).
 Remote configurable via IR service remote control 6842.
 With display for detection and operation mode.
 With ground and rear-field detection.
 With planar compensation: +/- 30°.
 With high-quality lens for optimum detection.
 Detection sensitivity selectable in 3 steps.
 Surveillance density: 110 sectors with 440 switching segments.
 All functions controlled by microprocessor.
 Permanent light and presence simulation can be activated via remote control.
 With automatic range stabilization.
 With automatic interference suppression.
 With automatic dazzle-proofing.
 With brightness-independent test mode for evaluating the detection zone.
 Additional possibility for switch-on via normally open push-button switch.
 Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: ohmic, capacitive and inductive loads
 Rated current: 16 AX, cos 0.6
 Rated power: 3680 W/VA
 Detection range: frontal: 16 m, lateral: 16 m
 Detection angle: 280 °
 Brightness limit value: 0.5 Lux - 300 Lux , Daytime operation
 Mounting height: 2.5 m
 Protection class (Device): IP 55
 Temperature range (Device): -25 °C to 55 °C
 Dimensions: (L x W x D): 97 mm x 97 mm x 159 mm

NEW

204 white	6846 AGM-204-500	6800-0-2307	1
201 brown	6846 AGM-201-500	6800-0-2308	1

NEW

35 anthracite	6846 AGM-35-500	6800-0-2309	1
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1) In combination with a relay/contact, an RC suppressor 6899 has to be used.



Corner adapter

For Busch Watchdog 220 Professional/SelectLINE.
 For detection on two sides of the house, in combination with Busch-Watchdog 280 ProfessionalLINE.
 Assembly is on the corner of the house.
 Suitable for mounting on down-pipes
 For flush or surface wiring.
 Mounting height: 2.5 m
 Dimensions: (L x W x D): 97 mm x 100 mm x 60 mm

201 brown	6887-201-500	6899-0-0293	1
204 white	6887-204-500	6899-0-0292	1
35 anthracite	6887-35-500	6899-0-0294	1




IR remote control ¹⁾

For Busch Watchdog 220 Professional/SelectLINE.
 For Busch Watchdog 280 ProfessionalLINE.
 For Busch Watchdog 220 AlarmLINE.
 The following functions can be activated:
 For function: Permanent lighting ON/OFF (4 hr).
 Presence simulation ON/OFF.
 With coded transmission signal.
 Power supply: lithium button cell battery Type CR2025.
 Rated voltage: 3 V-
 Detection range: frontal: 6 m
 Dimensions: (L x W x D): 87 mm x 40 mm x 7 mm

6841-500	6899-0-0296	1
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1) Battery included in delivery.

Product	Article-No.	Order-No.	Pack/Qty
 <p>IR Service remote control ¹⁾ For Busch Watchdog 220 Professional/SelectLINE. For Busch Watchdog 280 ProfessionalLINE. For Busch Watchdog 220 AlarmLINE. The following functions/settings can be activated depending on device type: For function: Permanent lighting ON/OFF (4 hr). Presence simulation ON/OFF. For function: Optical alarm active/inactive. For function: Switch output safety zone active/inactive. Test operation ON/OFF. Direction detection ON/OFF. Automatic switch-off (after 90 min.) ON/OFF. Daytime operation of safety zone active/inactive. Potential-free operation active/inactive. Sensitivity - / normal/ +. Reset to factory default settings. With coded transmission signal. Power supply: lithium button cell battery Type CR2025. Rated voltage: 3 V- Detection range: frontal: 6 m Dimensions: (L x W x D): 94 mm x 53 mm x 7 mm</p>	6842	6899-0-0299	1

1) Battery included in the delivery.

 <p>Busch-Watchdog Presence tech ¹⁾ For switching and dimming lighting systems that depend on brightness and movement. For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101. For heating/air-conditioning/ventilation adjustment in combination with serial insert 6402 U. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For extension insert 6805 U. Remote control possible via IR mobile remote control 6010-25. Surveillance zone (for installation height 2.5 m): circular, 8 m diameter. Intelligent turn-on delay. Surveillance density: 72 sectors with 640 switching elements. Switch-off delay: approx. 10 sec - 30 min or short-time pulse 1 sec adjustable. Detection angle: 360 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 2.5 m Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C 60669-2-1, British Standard EN 60669-2-1</p>	6813-101-500	6800-0-2178	1/10
	6813-183-101-500	6800-0-2324	1

1) Please order the respective flush mounted insert separately.
 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Watchdog Presence tech DualLINE ¹⁾ For switching and dimming lighting systems that depend on brightness and movement. For constant light regulation in combination with Dimmer insert 6593 U or 6550 U-101. For the control of 2 independent light strips in combination with 2gang 1way unit 6402 U. For semiautomatic and fully automatic operation. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For extension insert 6805 U. Remote control possible via IR mobile remote control 6010-25. Surveillance zone (for installation height 2.5 m): circular, 8 m diameter. Intelligent turn-on delay. Surveillance density: 72 sectors with 640 switching elements. Switch-off delay: approx. 1 sec - 20 min or short-time pulse adjustable. Detection angle: 360 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 2.5 m Protection class (Device): IP 20 Temperature range (Device): 0 °C to 35 °C 60669-2-1, British Standard EN 60669-2-1</p>	6813/11-24-500	6800-0-2350	1


24 studio white **6813/11-24-500** 6800-0-2350 1

NEW

183 aluminium silver ²⁾ **6813/11-183-500** 6800-0-2352 1

1) Please order the respective flush mounted insert separately.
 2) Surface painted.

 <p>Surface mounting box For Busch Watchdog Presence tech. For installing an flush mounted insert in combination with the Busch Watchdog Presence tech 6813/(11)-xx-101 or Busch Watchdog Presence KNX 6131-xx-102. Protection class (Device): IP 20</p>	6885-500	6899-0-0282	1/10
	6885-183-500	6899-0-0298	1

 <p>Busch-Watchdog MOS-Fet Insert ^{1) 2) 3)} 2-wire connection. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Suitable for: 230 V incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch Electronic Transformer. Rated power: 60 - 420 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1</p>	6804 U-101-500	6800-0-2219	1/10
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1) Not suitable for activating the staircase time delay.
 2) In the case of conventional transformers, take ~20% transformer loss into account.
 3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Watchdog relay mechanism

3 wire connection (neutral conductor required).
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813/(11)-xx(-101).
 Rated voltage: 230 V, +10 % / -10 %
 Rated frequency: 50 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
 Rated power: 700 W/VA
 Temperature range (Device): 0 °C to 55 °C
 British Standard EN 60669-2-1



6812U-1 01-500 6800-0-2160 1/10

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal relay switch insert

3 wire connection (neutral conductor required).
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C.
 For Busch Watchdog Presence tech 6813/(11)-xx(-101).
 For Comfort timer control element 6455.
 For Busch-Remote control IR control cover 6067-xxx-10x.
 For control cover with control lamp 6543-xxx-10x.
 Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
 Rated current: 10 AX
 Rated power: 2300 W/VA
 Temperature range (Device): -25 °C to 55 °C
 British Standard EN 60669-2-1



6401 U-102-500 6401-0-0049 1/10


Busch-Universal relay switch insert 1)
max. 1270 W/VA 10 AX

3 wire connection (neutral conductor required).
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C.
 For Busch Watchdog Presence tech 6813/(11)-xx(-101).
 For Comfort timer control element 6455.
 For Busch-Remote control IR control cover 6067-xxx-10x.
 For control cover with control lamp 6543-xxx-10x.
 Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Rated voltage: 127 V~
 Rated frequency: 60 Hz
 Outputs: 1x Normally open contact, potential-bound
 Rated current: 10 AX
 Temperature range (Device): -25 °C to 55 °C
 British Standard EN 60669-2-1



6401U-1 02-127-500 6401-0-0050 1/10


Busch-Memory touch-type controller 1) 2)

3 wire connection (neutral conductor required).
 For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC.
 For control cover with control lamp 6543-xxx-10x.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For Comfort timer control element 6455.
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 For LED control via control gears
 Without control cover.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 700 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1



6550 U-101-500 6550-0-0042 1

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).


Busch-Universal master dimmer insert 1) 2) 3)

with light-level memory and intelligence for universal operation
 Selectable Soft-ON/OFF function and memory function.
 Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 Short-circuit protected, overload-protected.
 With push switch operation.
 For control cover with control lamp 6543-xxx-10x.
 For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
 For Comfort timer control element 6455.
 For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
 For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
 For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
 Without control cover.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Rated power: 60 - 420 W/VA
 IEC 60669-2-1, British Standard EN 60669-2-1




6593U-50 0 6590-0-0171 1/10

1) Non-illuminable.
 2) with integrated making-current limiter

1) In the case of conventional transformers, take ~20% transformer loss into account.
 2) In case of electronic transformers, 5 % transformer losses.
 3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch Universal 2gang 1way insert 3 wire connection (neutral conductor required). For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs. For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For control cover 6430-xxx-10x and 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1 ☼ ☐ ☒ ☓ ☑ ☐	6401-0-0051	1/10
	6402U-50 0		

	Insert for combination with flush-mounted inserts 1) 3 wire connection (neutral conductor required). For extending Busch Watchdog 180 flush mounted and Busch Watchdog Presence tech installations. For combination with relay insert 6401 U-102 and 6402 U. For combination with MOS-Fet insert 6804 U-101. For combination with Dimmer insert 6593 U and 6550 U-101. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Control/Signal outputs: 1, electronic output, potential-bound Temperature range (Device): 0 °C to 35 °C	6800-0-2161	1/10
	6805U-50 0		


1) Not combinable with relay switch insert 6812 U-101.

	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 80 sec. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C	6800-0-2162	1
	Busch-Duro 2000®SI		
212 white	6810-212-101-500		
	Reflex SI		
214 alpinewhi te	6810-214-101-500	6800-0-2163	1

1) Please order the respective flush mounted insert separately.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C	6800-0-2164	1
	Busch-Duro 2000® SI		
212 white	6800-212-104-500		
	Reflex SI		
214 alpine white	6800-214-104	6800-0-2067	1/10

1) Please order the respective flush mounted insert separately.


	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C	6800-0-2070	1
	<i>alpha exclusive®</i>		
22G ivory	6800-22G-104		
studio white	6800-24G-104-500	6800-0-2170	1
233 amber 1)	6800-233-104	6800-0-2122	1/10
255 obsidian 1)	6800-255-104	6800-0-2124	1/10
260 palladium 2)	6800-260-104	6800-0-2118	1/10
266 titanium 2)	6800-266-104	6800-0-2120	1/10
	<i>alpha nea®</i>		
20 platinum 2)	6800-20-104	6800-0-2068	1
21 bronze 2)	6800-21-104	6800-0-2069	1
22G ivory	6800-22G-104	6800-0-2070	1
24 studio white	6800-24-104-500	6800-0-2168	1
studio white	6800-24G-104-500	6800-0-2170	1
26 brown 1)	6800-26-104	6800-0-2232	1
28 hansa blue 1)	6800-28-104	6800-0-2075	1

1) Please order the respective flush mounted insert separately.

2) Surface painted.

*) Phase-out type




Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		

impuls

71 brilliantblack *)	6800-71-104	6800-0-2077	1
74 alpinewhite	6800-74-104-500	6800-0-2172	1
79 champagne metallic 2)	6800-79-104	6800-0-2081	1
72 ivory	6800-72-104	6800-0-2338	1/10
777 blackberry	6800-777-104	6800-0-2357	1
783 aluminiumsilver 2)	6800-783-104	6800-0-2340	1

- 1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) With select-lens For automatic switching of devices dependent on motion and brightness. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 18 sectors with 72 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		

future®

82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
85 manhattan/graphite *)	6800-85-104	6800-0-2103	1/10
89 stone/light grey *)	6800-89-104	6800-0-2157	1

future® linear

81 anthracite *)	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
83 aluminium silver 2)	6800-83-104	6800-0-2325	1
84 davos/studio white	6800-84-104	6800-0-2101	1/10
89 stone/light grey *)	6800-89-104	6800-0-2157	1

solo®

82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10
85 manhattan/graphite *)	6800-85-104	6800-0-2103	1/10
86 samoa/light green *)	6800-86-104	6800-0-2105	1
87 toscana/purple	6800-87-104	6800-0-2107	1
88 attica/pigeon blue *)	6800-88-104	6800-0-2109	1
803 meteor/grey metallic	6800-803-104	6800-0-2484	1
815 sahara/yellow	6800-815-104	6800-0-2482	1

Busch-axcent®

84 davos/studio white	6800-84-104	6800-0-2101	1/10
<i>carat®</i>			
81 anthracite *)	6800-81-104	6800-0-2268	1
82 savanna/ivory white	6800-82-104	6800-0-2099	1/10
84 davos/studio white	6800-84-104	6800-0-2101	1/10


pure stainless steel 2)

866 stainless steel	6800-866-104	6800-0-2343	1
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- 1) Please order the respective flush mounted insert separately.
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	Busch-Duro 2000®SI		
212 white	6800-212-104M-500	6800-0-2166	1
	Reflex SI		
214 alpinewhite	6800-214-104M	6800-0-2083	1/10
1) installation: slide switch top. 2) Please order the respective flush mounted insert separately.			

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	<i>impuls</i>		
71 brilliant black 1)	6800-71-104M	6800-0-2093	1
72 ivory	6800-72-104M	6800-0-2339	1
74 alpine white	6800-74-104M-500	6800-0-2173	1
79 champagne metallic 3)	6800-79-104M	6800-0-2097	1
777 blackberry	6800-777-104M	6800-0-2358	1
783 aluminium silver 3)	6800-783-104M	6800-0-2341	1
1) installation: slide switch bottom. 2) Please order the respective flush mounted insert separately. 3) Surface painted. *) Phase-out type			

	Busch-Watchdog 180 flush mounted comfort sensor II 1) 2) With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
	<i>alpha exclusive®</i>		
22G ivory	6800-22G-104M	6800-0-2086	1
24G studiowhite	6800-24G-104M	6800-0-2088	1
233 amber 1)	6800-233-104M	6800-0-2123	1
255 obsidian 1)	6800-255-104M	6800-0-2125	1
260 palladium 3)	6800-260-104M	6800-0-2119	1/10
266 titanium 3)	6800-266-104M	6800-0-2121	1/10
	<i>alpha nea®</i>		
20 platinum 3)	6800-20-104M	6800-0-2084	1
21 bronze 3)	6800-21-104M	6800-0-2085	1
22G ivory	6800-22G-104M	6800-0-2086	1
24 studiowhite	6800-24-104M-500	6800-0-2169	1
24G studiowhite	6800-24G-104M	6800-0-2088	1
26 brown 1)	6800-26-104M	6800-0-2233	1
28 hansablue 1)	6800-28-104M	6800-0-2091	1
1) installation: slide switch top. 2) Please order the respective flush mounted insert separately. 3) Surface painted. *) Phase-out type			





Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} With multi-lens For automatic switching of devices dependent on motion and brightness. For down-to-ground detection. For relay insert switch 6401 U-102, 6402 U and 6812 U-101. For MOS-Fet insert 6804 U-101. For Dimmer insert 6593 U. For extension insert 6805 U. With integrated selector switch for ON-AUTOMATIC-OFF (lockable). Soft phase-out: In combination with the 6593 U (mode of operation: Soft OFF) the illumination is dimmed down within 60 sec and switched off. Surveillance density: 28 sectors with 112 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. Detection range: frontal: 15 m, lateral: 5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 20 Temperature range (Device): 0 °C to 35 °C		
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
85 manhattan/graphite ³⁾	6800-85-104M	6800-0-2104	1
89 stone/lightgrey ³⁾	6800-89-104M	6800-0-2158	1
	future [®]		
81 anthracite ¹⁾	6800-81-104M	6800-0-2269	1
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
83 aluminiumsi lver ³⁾	6800-83-104M	6800-0-2327	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
89 stone/lightgrey ³⁾	6800-89-104M	6800-0-2158	1
	solo [®]		
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
85 manhattan/graphite ³⁾	6800-85-104M	6800-0-2104	1
86 samoa/light green ¹⁾	6800-86-104M	6800-0-2106	1
87 toscana/purple	6800-87-104M	6800-0-2108	1
88 attica/pigeon blue ¹⁾	6800-88-104M	6800-0-2110	1
803 meteor/grey metallic	6800-803-104M	6800-0-2485	1
815 sahara/yellow	6800-815-104M	6800-0-2483	1
	Busch-axcent [®]		
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
	carat [®]		
81 anthracite ¹⁾	6800-81-104M	6800-0-2269	1
82 savanna/ivory white	6800-82-104M	6800-0-2100	1
84 davos/studio white	6800-84-104M	6800-0-2102	1/10
	pure stainless steel ³⁾		
866 stainlesssteel	6800-866-104M	6800-0-2344	1

1) installation: slide switch top.
2) Please order the respective flush mounted insert separately.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II for All Weather 44[®] ^{1) 2)} With combi-lens For automatic switching of devices dependent on motion and brightness. For use outdoors. For down-to-ground detection. For relay switch insert 6401 U-102. IP 44 only in conjunction with cover frames All Weather 44 [®] . Surveillance density: 40 sectors with 160 switching segments. Switch-off delay: 10 sec to 30 min or short-time pulse 1 sec adjustable. With screw-type terminal. Detection range: frontal: 15 m, lateral: 10 m Detection angle: 180 ° Brightness limit value: 5 Lux - 250 Lux , Daytime operation Mounting height: 0.8 m - 1.2 m alternative: 2.5 m Protection class (Sensor): IP 44 Temperature range (Device): -25 °C to 55 °C Position for installation: vertical		
31 brown	6800-31-102C	6800-0-2353	1
32 white	6800-32-102C	6800-0-1898	1
33 aluminium silver ³⁾	6800-33-102C	6800-0-2354	1
34 alpine white	6800-34-102C	6800-0-1674	1
35 anthracite	6800-35-102C	6800-0-1740	1

1) Delivered with sealing ring.
2) Please order the respective flush mounted insert separately.
3) Surface painted.

	RC-quenching circuit For protection against the damage or destruction of electronic devices due to overvoltages. For wiring network-interconnected inductivities (e.g.. relay, protection, fluorescent lamps, transformers, etc.). Eliminates functional disturbances on electronic devices, e.g. automatic circuit reclosure (locking) of a motion detector. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz		
	6899	6899-0-0231	10

	Twilight switch ^{1) 2)} With labelling field. Labelling field 578 x 9.8 mm Switch-on/switch-off delay: approx. 3-6 min non-adjustable. Rated voltage: 230 V~ Rated frequency: 50 Hz Rated current: 16 AX Rated power: 3680 W/VA Brightness limit value: 3 Lux - 500 Lux nominal Protection class (Device): IP 44 Temperature range (Device): -35 °C to 55 °C		
53 grey	2240 W-53	6500-0-0791	1/10
54 alpine white	2240 W-54	6500-0-0792	1/10

1) See lettering sheets 1799-13 and lettering software.
2) window non-illuminable.

Hindsight is easier
than foresight.



A LOT CAN HAPPEN! OCCASIONALLY LIFE AND LIMB ARE ENDANGERED – AT OTHER TIMES IT IS SIMPLY ANNOYING WHEN SOMETHING GETS DAMAGED. WITH MODERN SAFETY DEVICES, YOU ARE COVERED IN ANY CASE.



Busch-Smoke alarm detector

Smoke alarms detect the development of smoke indoors and sound the alarm. A network of all detectors all over the house is sensible so that all inhabitants are warned at the same time.



future® linear FI-SCHUKOMAT SCHUKO® socket outlet

Whether in the kitchen, bathroom, cellar, or garden – the easily retro-fittable SCHUKO® socket outlet protects from dangerous body currents and switches off immediately in case of faults.



Reflex SI Linear Busch-Protector®

A simple socket outlet replacement will protect your electric devices from overvoltage damage, caused by a lightning strike, for example.



Busch-Infoline®

This system is just as suitable for emergency calls as for the monitoring of critical areas. The switches can be labelled and useful accessories facilitate a multitude of applications.



ocean® Twilight switch

This switch reacts to individually adjustable dusk values and automatically switches on the light according to how dark it is.



*Awarded with the seal for barrier-free living.



WaveLINE LED display
Switch series solo®. Colour: davos.

Materials: thermoplastic cover (PC), impact-proof and fracture-resistant, UV-resistant, free of PVC and halogen.

Busch-Smoke alarm	346
Busch-Infoline®	347
Busch-Info light	351
SCHUKO® socket outlet insert for Busch-steplight®	352
Busch-Protector®	352
Buschmat FI flush-mounted insert	354
WaveLINE	356



Raising the alarm.

There's a fire. And EVERYONE has to get out. Wherever a fire can start in your home: the first smoke alarm triggers all other Busch-Smoke alarms in the house.

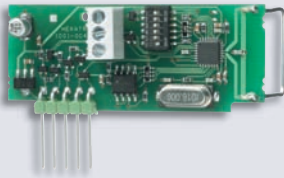


Busch-Smoke alarm detector guarantees a comprehensive early detection of smouldering and open fires in the entire house. The demand for high quality provides maximum reliability and prevents annoying malfunctions. Due to the wireless

network, Busch-Smoke alarm detector offers a reliable early warning in all rooms. Thanks to the lithium battery with a service life of 10 years, it remains fully functional even in case of a power failure. In many countries* smoke alarms are already

required by law. The Busch-Smoke alarm detector fulfils all required standards in this regard.

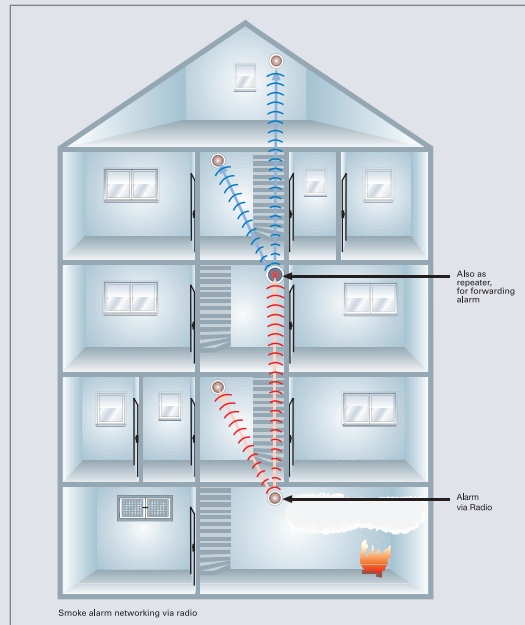
*e.g. Belgium, the Netherlands, Czech Republic, Germany.



Radio module

The additional radio module transmits the signal of the activated smoke alarm to all other smoke alarms in the house. It can also be built into existing Busch-Smoke alarm systems without extra wiring.**

**It is not possible to link old and new modules in the same installation.



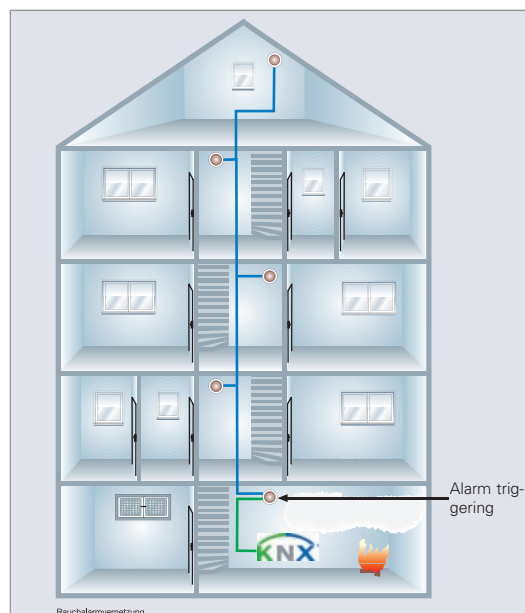
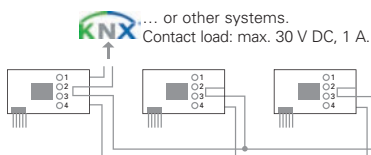
Raising the alarm in the entire house

Several devices are linked by the radio module. In this way all devices generate an alarm simultaneously when a fire is detected. Smoke alarms in staircases can forward the radio signal if ceilings are made of concrete (repeater function). The activated smoke alarm is recognizable by a flashing alarm light to facilitate localisation of the source of the fire.

Busch-Smoke alarm relay module

Primary application in new construction or in core reconstruction since a line must be laid between smoke alarms to form a network.

Relay module



Busch-Infoline® gives people who rely on the help of others the safe feeling that they are no longer alone. In public areas, an emergency call system for toilets for the disabled are required.

Busch-Infoline®

People want to monitor many areas of daily life. The idea to display status and alarm messages, provide signals elsewhere, or perform automatic switching procedures in response arose as a result. Busch-Infoline® is a system that simply makes all these functions implementable and calls for help if nec-

essary. Emergency call messages for toilets for the disabled, help call messages for public areas or moisture monitors for cellars or kitchens are typical areas of application of Busch-Infoline®. Monitoring the message lines against interruption or short circuit guarantee perfect oper-

ation. Function elements that can be labelled and colour-coded provide particularly simple operation.



Busch-Infoline® alarm insert
future® linear.
Colour: studio white.



Alarm insert
future® linear.
Colour: studio white.



Signal push-switch insert with
pull cable, future® linear.
Colour: studio white.



*Awarded with the seal for barrier-free living.

The Busch-Infoline® alarm and fault message system monitors kitchens and cellars for unwanted water ingress. The sensor rows guarantee a comprehensive detection by means of which both a sudden and a slow formation of moisture can be detected.



The system reports the incident and optionally locks the water supply via a relay insert and a solenoid valve. The signalling of the alarm can then be reset using the Off push-switch. The alarm message itself, however, remains enabled in the form of the permanently lit Off push-switch until the moisture that triggered the alarm is eliminated.



Image archive: Busch-Jaeger



All windows under surveillance by radio control.

Where conventional systems only check whether the window is in contact with the frame, WaveLINE goes a decisive step further. It reports the position of the window handle and thus provides information as to whether the window is locked.

Window position sensors monitor and transmit the position of the window handle – it is indicated by means of a coloured LED on the easy-to-view display, which can be individually labelled.



Before:
Light switch



After:
LED display and light switch

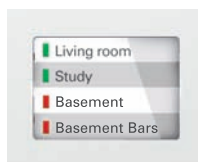
It's so simple. Where a light switch or dimmer was installed before, you can now also use the message system function. The original switching or dimming function remains intact.



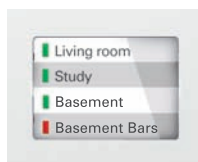
The pertinent window sensors mounted between the handle and the frame are available in black, white, and stainless steel optics and thus well-suited for all common window frames and window handles. The existing window handle can continue to be used.



WaveLINE
window sensor



Via the LED display, the two channels of the universal detector can be transferred and displayed separately.



You are thus always informed as to whether the cellar door is closed and locked.

The WaveLINE universal detector is available as a supplement to the WaveLINE window sensor. It is used wherever window sensors cannot be attached for mechanical reasons. The universal detector has two independent message channels. The first channel is triggered by the reed contact, while the second channel is firmly wired to a floating contact.



WaveLINE
universal detector

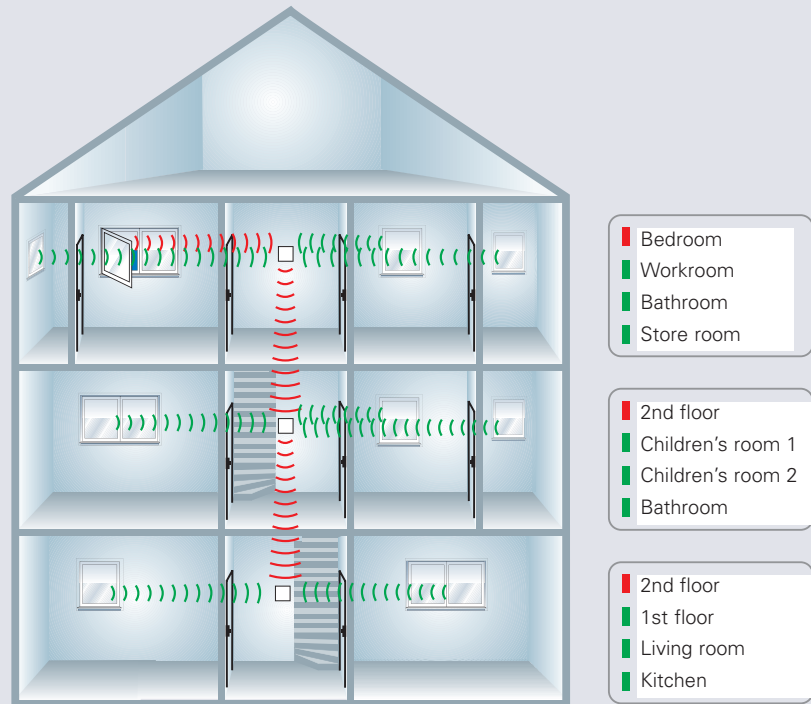
Who doesn't know that anxious feeling of having forgotten something after leaving home? An open window or a patio door left ajar are an invitation to burglars. WaveLINE replaces your last-minute check and guarantees security.

The WaveLINE window position sensor, which recognises the position of the window handle and transmits it by radio signal, is fitted between the window handle and the window frame. The existing handle can continue to be used and additional mounting is not required. All components required for installation and operation are included in the scope of delivery. A battery is also provided – so the system is ready for operation immediately. The information is provided on an easy-to-view information and control element. It has a display with four LEDs. Up to eight window position sensors can be connected to a single LED. In that way, either individual windows or complete rooms or floors can be monitored with only one indicator LED.

If several windows sensors are learned for one LED, the group is networked automatically. A practical group could be, for example, the windows of one floor.

- The LEDs indicate the following:
- All the windows in one group are closed: LED green
 - At least one window is tilted: Yellow LED
 - At least one window of the group is open: LED red

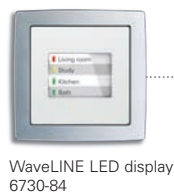
Attention is also drawn to a battery losing its power or faulty window position sensors by a flashing light.



Application example

If the LED display is fitted to an FM insert from the KNX world, the device functions as a gateway. It passes the information that is recorded by the window position sensor and transmitted by radio to the control element to the KNX. Also the local function of the rocker switch is transmitted and carried out via the KNX. The display/control

element can thus be used like a 1gang switch sensor remaining the switching or dimming functions.



Conventional FM inserts

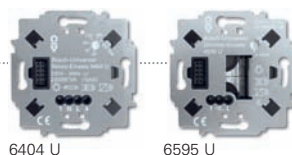
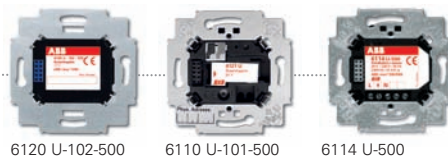




ABB i-bus® KNX FM inserts




Product	Article-No.	Order-No.	Pack/Qty
	Busch-Smoke alarm detector, photoelectronic ¹⁾ *) For early detection of smouldering fires and open fires with smoke build-up indoors acc. to photo-optical measuring principle (Tyndall). Power supply: 9 V lithium battery U9VL-J (included in delivery) Battery service life of up to 10 years Battery monitoring and signal (30 days) Energy-saving circuitry - low internal consumption With additional cover grille for screening against foreign bodies. Cyclical function monitoring Connection to external systems, e.g. KNX, and connection via relay module (per wire) or via radio/networking module possible. Including fixation material Acoustic alarm: built-in horn (85 dBA) VdS certification (German organisation of property assurers) Tested according to DIN EN 14604 Control element: Function button (LED) Display elements: LED display Protection class (Device): IP 30 Temperature range (Device): 5 °C to 45 °C		

24 white	NEW 6820-24-101-500	6800-0-2348	1
80 chrome	6820-80-101	6800-0-2347	1


1) To ensure proper functioning at all times, regular cleaning (monthly) is recommended.
*) Phase-out type

	Busch-Smoke alarm Relay Module ¹⁾ *) For wire-networking of up to 40 Busch-Smoke detectors via twisted 2-wire cable Connection also for external systems, e.g. KNX. The voltage supply is effected via the smoke detector. Relay contact: insulated 1gang 1way, normally open contact 30 V, max. 1 A Cable connection: 2 x 2 x 0.6 mm twisted, screw terminals		
	6822	6800-0-2215	1


1) Contact scanning possible via detector group terminal. Cannot be combined with the universal interface.
*) Phase-out type

	Radio module ^{*)} For wireless networking of several Busch-Smoke detectors Connectable amplifier function, switched special functions. Output terminals for ext. battery low indication and alarm Modules can be encoded in line or master address (common alarm) 2 radio frequencies: 868.8 MHz and 869.8 MHz. The voltage supply is effected via the smoke detector. Range: max. 100 m in the open, max. 30 m inside buildings. Note: this wireless module is not compatible with wireless module/networking module 6821.		
	6825	6800-0-2328	1

*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Smoke alarm detector BasicLINE ¹⁾ For early detection of smouldering fires and open fires with smoke build-up indoors acc. to photo-optical measuring principle (Tyndall). Battery monitoring and signal (30 days) Cyclical function monitoring Including fixation material Acoustic alarm: built-in horn (85 dBA) VdS certification (German organisation of property assurers) Tested according to DIN EN 14604 Control element: Function button (LED) Display elements: LED display Protection class (Device): IP 30 Temperature range (Device): 5 °C to 45 °C		
	NEW		
white	6830-24-500/01 ²⁾	6800-0-2495	1/100
white	6830-24-500/02 ³⁾	6800-0-2496	1/100

1) To ensure proper functioning at all times, regular cleaning (monthly) is recommended.
2) Voltage supply: 9 V alkaline battery (in scope of supply) with service life up to three years.
3) Voltage supply: 9 V lithium battery (in scope of supply) with service life up to eight years.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Handicapped toilet signal set ¹⁾ ²⁾ ³⁾ For setting up an emergency call system for handicapped WCs. Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert. Activation of alarm signal via cord button. Optical and acoustic emergency-call signalling outside the handicapped WC. Comforting light when alarm signal is activated. With cancel button for cancelling the emergency call Labelling field 51 x 10 mm. Control element: Pull-cord and cancel button. Display elements: LED flashing lamp, buzzer and comforting light. Rated voltage: 230 V~, +10 % / -10 % Secondary: 15 V~ Rated frequency: 50 Hz/60 Hz Inputs: 1 Outputs: 1x Normally open contact, potential-bound Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/VA Protection class (Device): IP 20 Temperature range (Device): 5 °C to 40 °C</p>			


212 white	NEW 1510UC -212-500	1582-0-0356	1/10
	Reflex SI		
214 alpinewhite	1510UC -214-500	1582-0-0322	1/10

1) No claw. Screw-fixing via keyholes.
 2) Incl. C overplate.
 3) Matching lettering sheet 1799 01.


 <p>Handicapped toilet signal set ¹⁾ ²⁾ ³⁾ For setting up an emergency call system for handicapped WCs. Consisting of: power pack insert, alarm signalling insert, signal push button insert with pullcord and cancel-button insert. Activation of alarm signal via cord button. Optical and acoustic emergency-call signalling outside the handicapped WC. Comforting light when alarm signal is activated. With cancel button for cancelling the emergency call Labelling field for sensor: 61 x 20 mm. Labelling field for transformer/alarm control unit: 61 x 61 mm. Control element: Pull-cord and cancel button. Display elements: LED flashing lamp, buzzer and comforting light. Rated voltage: 230 V~, +10 % / -10 % Secondary: 15 V~ Rated frequency: 50 Hz/60 Hz Inputs: 1 Outputs: 1x Normally open contact, potential-bound Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/VA Protection class (Device): IP 20 Temperature range (Device): 5 °C to 40 °C</p>			
84 davos/studio white	1510UC -84-500	1582-0-0330	1/10

future® I inear


1) No claw. Screw-fixing via keyholes.
 2) Incl. C overplate.
 3) For compatible lettering software, visit www.BUSCH-JAEGER.com.

 <p>Transformer ¹⁾ For the voltage supply of call and signalling units. Transformer for installation in flush-mounted boxes, German Standard DIN 49073, Part 1. Short-circuit protected Rated voltage: 230 V~, +10 % / -10 % Secondary: 15 V~ Rated frequency: 50 Hz/60 Hz Rated current: 150 mA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>			
	1518 U	1582-0-0331	1/10


1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Monitoring application ¹⁾ with cancel push button Operates as normal alarm panel. For monitoring a break or short circuit in a current loop. Selectable minimal short-circuit/interruption duration (0/2 sec) until alarm is given via internal jumper. Storage of the alarm status (can be switched off). Control element: Resetting key Display elements: LED push button backlighting Rated voltage: 15 V~ Rated frequency: 50 Hz Inputs: 1 Outputs: 1x Normally open contact, potential-bound Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/VA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>			
	1511 U	1582-0-0332	1/10

1) No claw. Screw-fixing via keyholes.

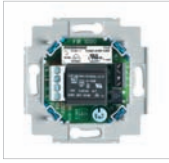
 <p>Alarm signalling panel ¹⁾ red Operates as normal alarm panel. For monitoring a break or short circuit in a current loop. With storage of the alarm status (can be switched off). With reset input. Permanent acoustic alarm. Type: 70 dB, distance apart 1 m. Pulsating optical alarm. Maintenance free due to using LEDs. Display elements: LED flashing lamp Rated voltage: 15 V~ Rated frequency: 50 Hz Inputs: 1 Outputs: 1x Normally open contact, potential-bound Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/VA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>			
	1515 U-12	1582-0-0333	1/10

1) No claw. Screw-fixing via keyholes.

 <p>Busch-Leakage guard insert ¹⁾ with cancel push button For surveillance of water leakages in kitchen or basements. For detecting conductive liquids. The detection is effected via the separately available tape sensor 1538/02. Optical alarm signals via flashing cancel button. Optional visual or acoustic indicator with Busch-Alarm unit 1563 U-12 or Buzzer 1561 U to be ordered separately. Reset mode (immediate/only after moisture is removed) selectable using internal jumper. Control element: Resetting key Display elements: LED push button backlighting Rated voltage: 15 V~ Rated frequency: 50 Hz Inputs: 1 Outputs: 1x Normally open contact, potential-bound Control/Signal outputs: 1, 1gang 2way, insulated, 42 V~/60 V-, 30 W/VA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>			
	1531 U	1582-0-0334	1/10

1) No claw. Screw-fixing via keyholes.

Product	Article-No.	Order-No.	Pack/Qty
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Relay mechanism 1)

For switching 230 V~ consumers.
Control of the relay switch insert via potential-free contact.
For Busch-Leakage guard insert 1531 U.
For blocking the water feed via an additional magnet valve.
Rated voltage: 230 V~, +10 % / -10 %
Output voltage: 230 V~
Rated frequency: 50 Hz/60 Hz
Inputs: 1
Polling voltage: 30 V~, is provided by the device
Outputs: 1x Normally open contact
Suitable for: Resistive load
Rated current: 10 A, cos 1
Rated power: 2300 W
Suitable for: Fluorescent lamps
Rated current: 1.3 AX, cos 0.9
Rated power: 300 VA
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1539U 1582-0-0335 1/10

1) No claw. Screw-fixing via keyholes.


**Busch- Alarm unit 1)
red**

For optical and acoustic alarm signalisation.
Type of signalling (call/alarm call, in accordance with DIN VDE 0834) selectable using internal jumper.
Type: 70 dB, distance apart 1 m.
Acoustic signalling via internal jumper can be deactivated.
Alarm activation by applying the operating voltage.
Maintenance free due to using LEDs.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1563U-12 1582-0-0336 1/10

1) No claw. Screw-fixing via keyholes.


**Light signal insert for push lamp 1)
yellow**

For optical alarm/status signal.
Call signalling in accordance with DIN VDE 0834.
Permanent light.
Alarm activation by applying the operating voltage.
Maintenance free due to using LEDs.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1564U-15 1582-0-0340 1/10

1) No claw. Screw-fixing via keyholes.


**Light signal insert for push lamp 1)
red**

For optical alarm/status signal.
Call signalling in accordance with DIN VDE 0834.
Permanent light.
Alarm activation by applying the operating voltage.
Maintenance free due to using LEDs.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1564U-12 1582-0-0338 1/10

1) No claw. Screw-fixing via keyholes.

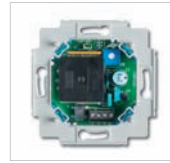
Product	Article-No.	Order-No.	Pack/Qty
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**Light signal insert for push lamp 1)
green**

For optical alarm/status signal.
Call signalling in accordance with DIN VDE 0834.
Permanent light.
Alarm activation by applying the operating voltage.
Maintenance free due to using LEDs.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1564 U-13 1582-0-0339 1/10

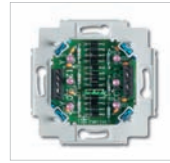
1) No claw. Screw-fixing via keyholes.


Buzzer 1)

Buzzer for acoustic alarm signalling.
Permanent signal.
Type 66 dB, distance apart 1 m.
2 frequencies (200 Hz/750 Hz) selectable via internal jumper.
Volume pre-adjustable.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1561 U 1582-0-0337 1/10

1) No claw. Screw-fixing via keyholes.


**Signal panel 1)
6gang**

For display of up to 6, mutually independent alarm/status signals.
Division into 2 insulated groups possible.
Additional group-signal terminal for connecting other Busch Infoline® signal indicators.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Inputs: 6
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1566 U 1582-0-0341 1/10


1) No claw. Screw-fixing via keyholes.


Signal/Cancel push button 1)

Push button for activating or deactivating alarm signals.
With signal/control display via LED.
Activation feedback (individual/group activation) selectable using internal jumper.
Rated voltage: 15 V~
Rated frequency: 50 Hz
Control/Signal outputs: 1, 1gang 1way, insulated, 30 V~/35 V-, 100 mA
Protection class (Device): SELV
Temperature range (Device): 5 °C to 40 °C

1520/1 UK 1582-0-0342 1/10


1) No claw. Screw-fixing via keyholes.


Product	Article-No.	Order-No.	Pack/Qty
 <p>Signal push button ¹⁾ with pullcord For activating alarm signals, e.g. in a handicapped WC. With comforting light and control display via LED. Pull-cord length 2.5 m. Activation feedback (individual/group activation) selectable using internal jumper. Rated voltage: 15 V~ Rated frequency: 50 Hz Control/Signal outputs: 1, 1gang 1way, insulated, 30 V~/35 V-, 100 mA Protection class (Device): SELV Temperature range (Device): 5 °C to 40 °C</p>	1520/1 UKZ	1582-0-0343	1/10

1) No claw. Screw-fixing via keyholes.


 <p>Cover plate ^{1) 2)} 1gang, with labelling field With operating knob. For Signal/Cancel push button insert 1520/1 UK. For Control Unit insert 1511 U. For Busch-Leakage guard insert 1531 U. With labelling field 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000®SII		
	NEW		
212 white	1571C N-212	1582-0-0357	10
	Reflex SI		
214 alpinewhi te	1571C N-214	1582-0-0345	10
	1) Matching lettering sheet 1799 01. 2) For compatible lettering software, visit www.BUSCH-JAEGER.com .		

 <p>Cover plate ^{1) 2)} 2gang, with labelling field With operating knob. For Signal push button insert 1520/1 UKZ. With labelling field 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000®SII		
	NEW		
212 white	1572C N-212	1582-0-0358	10
	Reflex SI		
214 alpinewhi te	1572C N-214	1582-0-0347	10
	1) Matching lettering sheet 1799 01. 2) For compatible lettering software, visit www.BUSCH-JAEGER.com .		

 <p>Cover plate with red and neutral neon indicator For Alarm Control Unit insert 1515 U-12. For Busch-Alarm signal insert 1563 U-12. For Indication Lamp insert 1564 U-1x. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 20 mm</p>	Busch-Duro 2000®SII		
	NEW		
212 white	1573C -212	1582-0-0359	10
	Reflex SI		
214 alpinewhi te	1573C -214	1582-0-0349	10

 <p>Cover plate with loudspeaker grid For signalling device insert 1561 U. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Reflex SI		
214 alpinewhi te	1574C -214	1582-0-0351	10

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate ^{1) 2)} 6gang, illuminable, with labelling field For Signal Panel insert 1566 U.. 3 Labelling fields 51 x 10 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Reflex SI		
214 alpine white	1575 CN-214	1582-0-0352	10
	1) Matching lettering sheet 1799 01. 2) For compatible lettering software, visit www.BUSCH-JAEGER.com .		

 <p>Blank plate For power pack insert 1518 U. For Relay Switch insert 1539 U. Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 12 mm</p>	Busch-Duro 2000® SII		
	NEW		
212 white	1576 C-212	1582-0-0360	10
	Reflex SI		
214 alpine white	1576 C-214	1582-0-0354	10


 <p>Cover plate ^{1) 2)} 1gang, with labelling field With operating knob. For Signal/Cancel push button insert 1520/1 UK. For Control Unit insert 1511 U. For Busch-Leakage guard insert 1531 U. With window 61 x 20 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
84 davos/studio white	1571 CN-84	1582-0-0346	10
	1) For compatible lettering software, visit www.BUSCH-JAEGER.com . 2) Can also be used for Busch-axcent®, solo®, and carat®.		

 <p>Cover plate ^{1) 2)} 2gang, with labelling field With operating knob. For Signal push button insert 1520/1 UKZ. With window 61 x 20 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
84 davos/studio white	1572 CN-84	1582-0-0348	10
	1) For compatible lettering software, visit www.BUSCH-JAEGER.com . 2) Can also be used for Busch-axcent®, solo®, and carat®.		


 <p>Cover plate ^{1) 2)} with red and neutral light panel and labelling field For Alarm Control Unit insert 1515 U-12. For Busch-Alarm signal insert 1563 U-12. For Indication Lamp insert 1564 U-1x. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm</p>	future® linear		
84 davos/studio white	1573 CN-84	1582-0-0350	10
	1) For compatible lettering software, visit www.BUSCH-JAEGER.com . 2) Can also be used for Busch-axcent®, solo®, and carat®.		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate ^{1) 2)} 6gang, illuminable, with labelling field For Signal Panel insert 1566 U.. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm future®I inear		
	84 davos/studio white	1575C N-84	1582-0-0353 10


1) For compatible lettering software, visit www.BUSCH-JAEGER.com.
 2) Can also be used for Busch-*axcent*®, *solo*®, and *carat*®.


	Cover plate ^{1) 2)} With label area For power pack insert 1518 U. For Relay Switch insert 1539 U. For signalling device insert 1561 U. With window 61 x 61 mm. Protection class (Device): IP 20 Dimensions: (L x W x D): 63.5 mm x 63.5 mm x 11.1 mm future®I inear		
	84 davos/studio white	1576C N-84	1582-0-0355 10

1) For compatible lettering software, visit www.BUSCH-JAEGER.com.
 2) Can also be used for Busch-*axcent*®, *solo*®, and *carat*®.


	Sensortape For Busch-Leakage guard insert 1531 U. For detecting conductive liquids. The connection to the control line is a soldered connection. Self-adhesive. 2 m roll. Dimensions: (L x W x D): 0.15 mm x 15 mm x 2 m		
		1538/02	1582-0-0313 1/10

Product	Article-No.	Order-No.	Pack/Qty
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Product	Article-No.	Order-No.	Pack/Qty
	Info light unit Size of information field 43 x 43 mm. Long service life of the lighting element (LEDs). Homogeneous backlighting of the information field. Rated voltage: 230 V~		
	2062 U	1511-0-0115	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	Busch-Duro 2000®SI		
212 white	2562-212	1731-0-1919	1
	Reflex SI		
214 alpinewhi te	2562-214	1731-0-1920	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	<i>alpha nea®</i>		
20 platinum 3)	1716-20	1731-0-1929	1
21 bronze 3)	1716-21	1731-0-1930	1
22 ivory	1716-22	1731-0-1931	1
24 studiowhi te	1716-24	1731-0-1932	1
24G studiowhi te	1716-24G	1731-0-1933	1
26 brown *)	1716-26	1731-0-1934	1
28 hansabl ue *)	1716-28	1731-0-1935	1
	<i>alpha exclusive®</i>		
22 ivory	1716-22	1731-0-1931	1
24G studiowhi te	1716-24G	1731-0-1933	1
233 amber *)	1716-233	1731-0-1936	1
255 obsidian *)	1716-255	1731-0-1937	1
260 palladium 3)	1716-260	1731-0-1938	1
266 titanium 3)	1716-266	1731-0-1939	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	<i>impuls</i>		
71 brilliantbl ack *)	1716-71	1731-0-1941	1
72 ivory	1716-72	1731-0-1951	1
74 alpinewhi te	1716-74	1731-0-1942	1
79 champagne metallic 3)	1716-79	1731-0-1944	1
777 blackberry	1716-777	1731-0-1972	1
783 aluminiumsi lver 3)	1716-783	1731-0-1952	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) 2) As cover for flush mounted info light. For insert 2062 U. Size of information field 43 x 43 mm.		
	future®		
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
85 manhattan/graphite *)	1716-85	1731-0-1924	1
89 stone/light grey *)	1716-89	1731-0-1928	1
	future® linear		
81 anthracite *)	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
83 aluminium silver 3)	1716-83	1731-0-1950	1
84 davos/studio white	1716-84	1731-0-1923	1
89 stone/light grey *)	1716-89	1731-0-1928	1
	solo®		
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
85 manhattan/graphite *)	1716-85	1731-0-1924	1
89 samoa/light green *)	1716-86	1731-0-1925	1
87 toscana/purple	1716-87	1731-0-1926	1
88 attica/pigeon blue *)	1716-88	1731-0-1927	1
803 meteor/grey metallic	1716-803	1731-0-1976	1
815 sahara/yellow	1716-815	1731-0-1974	1
	Busch-axcent®		
84 davos/studio white	1716-84	1731-0-1923	1
	carat®		
81 anthracite *)	1716-81	1731-0-1921	1
82 savanna/ivory white	1716-82	1731-0-1922	1
84 davos/studio white	1716-84	1731-0-1923	1
	pure stainless steel		
866 stainless steel	1716-866	1731-0-1955	1

1) Included with the cover are 46 different text labels and symbols.
2) See labelling sheet 1799 xx.
3) Surface painted.
*) Phase-out type




Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	Busch-Duro 2000®SI		
212 white	20EUC BLI-212	2013-0-5290	10
	Reflex SI		
214 alpinewhite	20EUC BLI-214	2013-0-5291	1


1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.

	SCHUKO® socket outlet Busch-steplight® 1) 2) Night orientation light with separate connection cables for switch contact. with LED, Shuttered. 2 P + E Rated voltage: 250 V~ Rated current: 16 A		
	future®		
82 ivory	20E UCBLI-82	2013-0-5292	10
84 studiowhite	20EUC BLI-84	2013-0-5294	10
	future®linear		
82 ivory	20E UCBLI-82	2013-0-5292	10
83 aluminiumsilver 3)	20EUC CBLI-83	2013-0-5293	10
84 studiowhite	20EUC BLI-84	2013-0-5294	10
	solo®		
82 ivory	20EUC BLI-82	2013-0-5292	10
84 studiowhite	20EUC BLI-84	2013-0-5294	10
	Busch-axcent®		
84 studiowhite	20EUC BLI-84	2013-0-5294	10
	carat®		
82 ivory	20E UCBLI-82	2013-0-5292	10
84 studiowhite	20EUC BLI-84	2013-0-5294	10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Resistant to aggressive media, e.g. ammonia, benzene, oils, greases, alcohol, cleansing agents, in normal concentrations.
3) Surfacepainted.

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
	Busch-Duro 2000® SI		
212 white	2310EUGL/VA-212-11	2011-0-3816	1/10
	Reflex SI		
214 alpine white	2310EUGL/VA-214-11	2011-0-3817	1/10
217 red	2310EUGL/VA-217-11	2011-0-3818	1/10

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.

	Busch-Protector® SCHUKO® socket outlet 1) With overvoltage protection. 2 P + E With integrated and external signalling contact. ISN = 5 kA Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems. Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet. Arrestor test class: classification Type 2 Rated voltage: 250 V~ Secondary: 250 V~ Rated current: 16 A		
	alpha exclusive®		
22G ivory	2310EUGL/VA-22G-11	2011-0-3821	1
24G studio white	2310EUGL/VA-24G-11	2011-0-3823	1
233 amber 1)	2310EUGL/VA-233-11	2011-0-3826	1
255 obsidian 1)	2310EUGL/VA-255-11	2011-0-3827	1
260 palladium 2)	2310EUGL/VA-260-11	2011-0-3828	1
266 titanium 2)	2310EUGL/VA-266-11	2011-0-3829	1
	alpha nea®		
20 platinum 2)	2310 EUGL/VA-20-11	2011-0-3819	1
21 bronze 2)	2310 EUGL/VA-21-11	2011-0-3820	1
22G ivory	2310EUGL/VA-22G-11	2011-0-3821	1
24 studio white	2310 EUGL/VA-24-11	2011-0-3822	1
24G studio white	2310EUGL/VA-24G-11	2011-0-3823	1
26 brown 1)	2310 EUGL/VA-26-11	2011-0-3824	1
28 hansa blue 1)	2310 EUGL/VA-28-11	2011-0-3825	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Protector® S SCHUKO® socket outlet 1)
With overvoltage protection.
 2 P + E
 With integrated and external signalling contact.
 ISN = 5 kA
 Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
 Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
 Arrestor test class: classification Type 2
 Rated voltage: 250 V~
 Secondary: 250 V~
 Rated current: 16 A

impuls

71 brilliantblack *)	2310EUGL/ VA-71-11	2011-0-3840	1
72 ivory	2310EUGL/ VA-72-11	2011-0-3848	1
74 alpinewhite	2310EUGL/ VA-74-11	2011-0-3841	1
79 champagne metallic 2)	2310EUGL/ VA-79-11	2011-0-3843	1
777 blackberry	2310EUGL/VA-777-11	2011-0-3870	1
783 aluminiumsilver 2)	2310EUGL/VA-783-11	2011-0-3849	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Protector® SCHUKO® socket outlet 1)
With overvoltage protection.
 2 P + E
 With integrated and external signalling contact.
 ISN = 5 kA
 Device protection for technical sensitive equipment such as computer, entertainment electronics and building management systems.
 Effectively reduces overvoltage peaks occurring between the sub-distribution switch board and SCHUKO® socket outlet.
 Arrestor test class: classification Type 2
 Rated voltage: 250 V~
 Secondary: 250 V~
 Rated current: 16 A

future®

82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
85 manhattan/graphite *)	2310 EUGL/VA-85-11	2011-0-3834	1
89 stone/light grey *)	2310 EUGL/VA-89-11	2011-0-3838	1

future® linear

81 anthracite *)	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
83 aluminium silver 2)	2310 EUGL/VA-83-11	2011-0-3832	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
89 stone/light grey *)	2310 EUGL/VA-89-11	2011-0-3838	1

solo®

82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
85 manhattan/graphite *)	2310 EUGL/VA-85-11	2011-0-3834	1
86 samoa/light green *)	2310 EUGL/VA-86-11	2011-0-3835	1
87 toscana/purple	2310 EUGL/VA-87-11	2011-0-3836	1
88 attica/pigeon blue *)	2310 EUGL/VA-88-11	2011-0-3837	1
803 meteor/grey metallic	2310EUGL/VA-803-11	2011-0-3877	1
815 sahara/yellow	2310EUGL/VA-815-11	2011-0-3874	1

Busch-axcent®

84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1
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carat®


81 anthracite *)	2310 EUGL/VA-81-11	2011-0-3830	1
82 savanna/ivory white	2310 EUGL/VA-82-11	2011-0-3831	1
84 davos/studio white	2310 EUGL/VA-84-11	2011-0-3833	1


pure stainless steel

866 stainless steel 2)	2310EUGL/VA-866-11	2011-0-3853	1
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1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
 2) Surface painted.
 *) Phase-out type




Product	Article-No.	Order-No.	Pack/Qty
 <p>RC-quenching circuit For protection against the damage or destruction of electronic devices due to overvoltages. For wiring network-interconnected inductivities (e.g.. relay, protection, fluorescent lamps, transformers, etc.). Eliminates functional disturbances on electronic devices, e.g. automatic circuit reclosure (locking) of a motion detector. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz</p>	6899	6899-0-0231	10

Product	Article-No.	Order-No.	Pack/Qty
 <p>Buschmat FI - Insert 1) 2) With earth leakage breaker with connecting conductor. Protection of downstream consumers. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. DP cut off (PN) Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C</p>			
	Busch-Duro 2000® SI		
212 white	3150 UC-212	3117-0-0001	1
	Reflex SI		
214 alpine white	3150 UC-214	3117-0-0002	1


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.

 <p>FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. Flush-mounted SCHUKOMAT, VDE 0664. DP cut off (PN) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C</p>			
	Busch-Duro 2000® SI		
212 white	3118 EUCKS-212	3116-0-0597	1
	Reflex SI		
214 alpine white	3118 EUCKS-214	3116-0-0605	1


- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
- 3) Increased shock protection .

 <p>FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (PN) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C</p>			
	Busch-Duro 2000® SI		
212 white	3120 EUCKS-212	3116-0-0613	1
	Reflex SI		
214 alpine white	3120 EUCKS-214	3116-0-0621	1

- 1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
- 2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
- 3) Increased shock protection .

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlet (RCD) 1) 2) 3) With integrated earth leakage breaker. Shuttered. DP cut off (P/N) Without PE monitoring. With connecting conductor and protection of downstream socket outlets. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 3000 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 21 Temperature range (Device): -25 °C to 40 °C		
	future®		
82 savanna/ivory white	3120EUC KS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
	future linear®		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
	solo®		
82 savanna/ivory white	3120 EUCKS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
	Busch-axcent®		
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1
	carat®		
82 savanna/ivory white	3120EUC KS-82	3116-0-0655	1
84 davos/studio white	3120 EUCKS-84	3116-0-0656	1

1) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
2) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
3) Increased shock protection.

Product	Article-No.	Order-No.	Pack/Qty
	FI-SCHUKOMAT, SCHUKO® socket outlets 1) 2) 3) With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664 DP cut off (P/N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
	grey	3118 WSKS	3116-0-0639 1

1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
2) Connecting terminals approved in accordance with VDE 0620-1 as connectors.
3) Increased shock protection.

	FI-SCHUKOMAT, SCHUKO® socket outlets 1) 2) 3) With integrated earth leakage breaker. Shuttered. Waterproof. Flush-mounted SCHUKOMAT, VDE 0664. Complete cover, not combinable. DP cut off (P/N) Without PE monitoring. Rated actuating current: 30 mA. Release time: ≤ 30 ms. Short-circuit strength: 1500 A (with 25 A GL fuse). Current surge strength: 250 A (8/20) μs. Without claw fixation. Rated frequency: 45-60 Hz. Rated voltage: 230 V~ Rated current: 16 A Protection class (Device): IP 44 Temperature range (Device): -25 °C to 40 °C		
44 alpinewhite	3118EUGK S-44	3116-0-0647	1

1) Protective measure according to VDE 0100; can be proven or checked using the Profitest 0100S testing device, for example.
2) Terminals suitable for loop through connection.
3) Increased shock protection.



Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal relay switch insert 1)

For switching incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are actuated via transformers.
3 wire connection (neutral conductor required).
With operating mode switch for operating mode: switch, time switch.
Switch operating mode: press on the upper rocker switch half to switch the light on, press on the lower rocker switch half to switch the light off.
Time switch operating mode: press on the upper rocker switch half to switch the light on, the light automatically switches off after a time delay. Manual switching off not possible. The delay can be set in 5 steps between 30 and 300 secs.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED display WaveLINE 6730-xxx.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Inputs: 1
Polling voltage: 230 V~, Sensing pulse, L-wire
Outputs: 1x Normally open contact, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated current: 10 AX
Rated power: 2300 W/VA
Protection class (Device): IP 20
Temperature range (Device): 0 °C to 35 °C
Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm

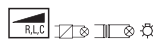


6404U 6401-0-0055 1

1) Fixation by using key holes or attachable claws (enclosed).


Universal Dimmer Switch Insert 1) 2) 3)

For dimming and switching incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional transformers or Busch-Electronic transformers.
2-wire connection.
With soft ON/OFF function.
With electronic short-circuit protection.
With automatic overtemperature protection.
With operating mode switch for operating mode: dimmer, switch
Dimmer operating mode: short press on the upper rocker switch half to switch the light on, short press on the lower rocker switch half to switch the light off.
Dimmer operating mode: long press on the upper rocker switch half dims, with light switched on, the light brighter, or with light switched off the light brighter from nothing. Long press on the lower rocker switch half dims the light darker.
Switch operating mode: press on the upper rocker switch half to switch the light on, press on the lower rocker switch half to switch the light off.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Do not operate conventional transformers and electronic transformers together on the universal dimmer switch insert.
For LED display WaveLINE 6730-xxx.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Inputs: 1
Polling voltage: 230 V~, Sensing pulse, L-wire
Outputs: 1x electronic output, potential-bound
Suitable for: ohmic, capacitive and inductive loads
Rated power: 60 - 450 W/VA
Protection class (Device): IP 20
Temperature range (Device): 0 °C to 35 °C
Dimensions: (L x W x D): 49 mm x 49 mm x 33 mm



6595U 6590-0-0188 1

1) Fixation by using key holes or attachable claws (enclosed).
2) In the case of conventional transformers, take ~20% transformer loss into account.
3) In case of electronic transformers, 5 % transformer losses.

Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE LED display 1)

For status display of window handle positions: open = red, closed = green, tilted = yellow.
Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.
4 individual LED display channels.
Up to 8 WaveLINE transmitters can be taught-in on each LED display channel.
Up to 8 WaveLINE transmitters can be taught-in on onsite operation.
After a power cut all LED display channels light in red.
The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.
Status display for depleted WaveLINE transmitter battery.
Status display for faulty transmission link and defective WaveLINE transmitter.
User-friendly start-up without PC / software.
Printed labelling sheet with 8 different inlay sheets.
For WaveLINE window position sensor 6720-xxx.
For WaveLINE 6721-xx universal signalling unit.
For Busch Watchdog 220 WaveLINE 6745 AGM.
For Busch-Universal relay switch insert 6404 U.
For universal dimmer switch insert 6595 U.
For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102.
Range in free field: approx. 100 m
Send/receive frequency: 868 MHz.
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 54 mm x 54 mm

Busch-Duro 2000® SI 2)

212 white **6730-212** 6730-0-0001 1

Reflex SI 3)

214 alpine white **6730-214** 6730-0-0002 1

1) See labelling sheet 1799 xx.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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**WaveLINE LED display ¹⁾ 2)**

For status display of window handle positions: open = red, closed = green, tilted = yellow.

Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.

4 individual LED display channels.

Up to 8 WaveLine transmitters can be taught-in on each LED display channel.

Up to 8 WaveLine transmitters can be taught-in on onsite operation.

After a power cut all LED display channels light in red.

The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.

Status display for depleted WaveLINE transmitter battery.

Status display for faulty transmission link and defective WaveLINE transmitter.

User-friendly start-up without PC / software.

Printed labelling sheet with 8 different inlay sheets.

For WaveLINE window position sensor 6720-xxx.

For WaveLINE 6721-xx universal signalling unit.

For Busch Watchdog 220 WaveLINE 6745 AGM.

For Busch-Universal relay switch insert 6404 U.

For universal dimmer switch insert 6595 U.

For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102.

Range in free field: approx. 100 m

Send/receive frequency: 868 MHz.

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 55 mm x 70 mm

alpha exclusive®

22G ivory	6730-22G	6730-0-0009	1
24G studiowhi te	6730-24G	6730-0-0011	1
233 amber ¹⁾	6730-233	6730-0-0003	1
255 obsidian ¹⁾	6730-255	6730-0-0004	1
260 palladium ³⁾	6730-260	6730-0-0005	1
266 titanium ³⁾	6730-266	6730-0-0006	1

alpha nea®

20 platinum ³⁾	6730-20	6730-0-0007	1
21 bronze ³⁾	6730-21	6730-0-0008	1
22G ivory	6730-22G	6730-0-0009	1
24 studiowhi te	6730-24	6730-0-0010	1
24G studiowhi te	6730-24G	6730-0-0011	1
26 brown ¹⁾	6730-26	6730-0-0012	1
28 hansabl ue ¹⁾	6730-28	6730-0-0013	1

1) See labelling sheet 1799 xx.

2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

3) Surface painted.

*1) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**WaveLINE LED display ¹⁾**

For status display of window handle positions: open = red, closed = green, tilted = yellow.

Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert.

4 individual LED display channels.

Up to 8 WaveLine transmitters can be taught-in on each LED display channel.

Up to 8 WaveLine transmitters can be taught-in on onsite operation.

After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.

Status display for depleted WaveLINE transmitter battery.

Status display for faulty transmission link and defective WaveLINE transmitter.

User-friendly start-up without PC / software.

Printed labelling sheet with 8 different inlay sheets.

For WaveLINE window position sensor 6720-xxx.

For WaveLINE 6721-xx universal signalling unit.

For Busch Watchdog 220 WaveLINE 6745 AGM.

For Busch-Universal relay switch insert 6404 U.

For universal dimmer switch insert 6595 U.

For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102.

Range in free field: approx. 100 m

Send/receive frequency: 868 MHz.

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 63 mm x 63 mm

future® ²⁾

82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite ¹⁾	6730-85	6730-0-0018	1
89 stone/light grey ¹⁾	6730-89	6730-0-0022	1

future® linear ³⁾

81 anthracite ¹⁾	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
83 aluminium silver ⁴⁾	6730-83	6730-0-0016	1
84 davos/studio white	6730-84	6730-0-0017	1
89 stone/light grey ¹⁾	6730-89	6730-0-0022	1

solo® ²⁾

82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite ¹⁾	6730-85	6730-0-0018	1
86 samoa/light green ¹⁾	6730-86	6730-0-0019	1
87 toscana/purple	6730-87	6730-0-0020	1
88 attica/pigeon blue ¹⁾	6730-88	6730-0-0021	1
803 meteor/grey metallic	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1

Busch-axcent® ²⁾

84 davos/studio white	6730-84	6730-0-0017	1
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carat® ³⁾

81 anthracite ¹⁾	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1

pure stainless steel ²⁾ ⁴⁾

866 stainless steel	6730-866	6730-0-0023	1
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1) See labelling sheet 1799 xx.

2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

4) Surface painted.

*1) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	WaveLINE window position sensor For monitoring and transmission of the current window handle position (window open, closed, tilted). The WaveLINE window position sensor transmits the current window handle position immediately upon operation. Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment. Existing window handle is used. The WaveLINE window position sensor is installed between the existing window handle and window frame. Suitable for window handle: 7 mm square fastener, 43 mm attachment screw separation, lifter dia. 10 and 12 mm, max. mounting plate size 34 x 77 mm (WxH). No wire laying required. Accessories for assembly (square fastener extension, screws, adapter for lifter) of the WaveLINE window position sensor included in delivery. Battery included in delivery. Battery life: typically 5 years, therefore practically maintenance-free. Monitoring of battery life and transmission of battery condition. For LED display WaveLINE 6730-xxx. Range in free field: approx. 100 m Send frequency: 868 MHz. Protection class (Device): IP 43 Temperature range (Device): -5 °C to 50 °C Dimensions: (L x W x D): 168 mm x 38 mm x 13 mm			
	64 studiowhi te	6720-64	6720-0-0001	1
	65 basaltbl ack	6720-65	6720-0-0002	1
66 stainlesssteel ¹⁾	6720-66	6720-0-0003	1	

1) Surface painted.

	WaveLINE universal sensor For monitoring and transmission of the state (open, closed) of dormer windows, skylights, doors and gates. For window surveillance with open fireplace and extractor hood pursuant to Article 4 of the German Fire Prevention Regulations. Additional connection option for an external, potential-free sensor (choice of normally closed or normally open contact). Isolated evaluation and monitoring of channels. The WaveLINE universal sensor immediately transmits the current information when there is a change in state. Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment. Attachment of WaveLINE universal sensor and magnets by using adhesive foil or screws. Accessories (adhesive foil, screws, magnet) included in delivery. Battery included in delivery. Battery life: typically 5 years, therefore practically maintenance-free. Monitoring of battery life and transmission of battery condition. External sensor max. wire length: 5 m External sensor terminal connection diameter : 0.14...0.5 mm ² (single wire) Range in free field: approx. 100 m Send frequency: 868 MHz. For LED display WaveLINE 6730-xxx. For installation receiver WaveLINE 6701. Protection class (Device): IP 43 Temperature range (Device): -5 °C to 50 °C Dimensions: (L x W x D): 118 mm x 30 mm x 22 mm		
	64 studiowhi te	6721-64	6720-0-0004	1
65 basaltbl ack	6721-65	6720-0-0005	1

Product	Article-No.	Order-No.	Pack/Qty
	Built-in wireless receiver For Busch-Watchdog WaveLINE. For WaveLINE 6721-xx universal signalling unit. For wireless switching of electrical loads. Repeater function can be activated for extended range. For functions: permanent ON/1 gang/1 way, timer and light scene control. Switch-off delay: 60 to 30 min., adjustable. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For universal attachment or installation. For installation in (deep) flush-mounted boxes to German Standard DIN 4973, Part 1. Controllable up to 48 transmission addresses. Send/receive frequency: 868 MHz. Range in free field: approx. 100 m Control element: Adjustable potentiometer Display elements: Output status indication via LED. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Inputs: 1 Polling voltage: 230 V~, Sensing pulse, L-wire Outputs: 1x Normally open contact Suitable for: Resistive load Rated current: 10 A Output voltage: 230 V~ Rated power: 2300 W Suitable for: capacitive Rated current: 10 AX Output voltage: 230 V~ Rated power: 2300 VA Suitable for: inductive Rated current: 10 A, cos 0.6 Output voltage: 230 V~ Rated power: 2300 VA Protection class (Device): IP 20 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 47 mm x 48 mm x 30 mm Installation depth: 30 mm		
	white	6701	6700-0-0022	1/10
81 anthracite ¹⁾	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
<i>pure stainless steel ^{2) 4)}</i>			
866 stainless steel	6730-866	6730-0-0023	1

white **6701** 6700-0-0022 1/10

81 anthracite ¹⁾ **6730-81** 6730-0-0014 1

82 savanna/ivory white **6730-82** 6730-0-0015 1

84 davos/studio white **6730-84** 6730-0-0017 1

pure stainless steel ^{2) 4)}
 866 stainless steel **6730-866** 6730-0-0023 1

1) See labelling sheet 1799 xx.

2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

4) Surface painted.

*1) Phase-out type

The right amount of light and shade.



SUNLIGHT IS ESSENTIAL, BUT IT CAN ALSO DAZZLE, DISTRACT AND EVEN DESTROY. HOW CAN YOU LET AS MUCH LIGHT AS POSSIBLE INTO THE HOUSE OR CONDO – BUT PREVENT GLARE OR BLOCK DAZZLING LIGHT? IT'S EASY! WITH MODERN, AUTOMATIC BLIND CONTROL SYSTEMS.



Busch-Blind control II drive set

The complete set for a quick and cost-efficient installation is now available to installers.

Possible combinations of Busch-Blind control II inserts



Sensors

Control elements



Extensions





Mechanical blind control switch/push-switch with rotary knob
Switch series: *alpha nea*®. Colour: studio white.



Comfort timer control element
Switch series: *alpha nea*®. Colour: studio white.

Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen.

Blind switch .....	.365
Basic blind insert .....	.368
Standard timer control element .....	.368
Memory control element .....	.368
Comfort timer control element .....	.369
Busch-Blind control II insert .....	.371
IR control element .....	.373
Busch-Blind control II drive set .....	.375
Isolating relay .....	.375
Busch-Wind and sun sensor insert .....	.375



As individual as the requirements of users.

Room for room at the press of a button, by remote control, some or all at once, time-controlled, dependent on light or wind. The possibilities to move blinds are as versatile as the life rhythm of their users.



Blind switch

The blind switches permit the operation of the blind or roller shutter in two different directions of movements through separate rockers.



Rotary blind switch

The mechanical rotary switch fulfils the same function as the blind switch with rockers.



Blind key switch

The blind key switch prevents an unauthorised operation of the electrical drives. At home, it is suited as a "parental lock" and, at work, it prevents unauthorised persons

from gaining access. For security, the half cylinders of an existing locking system can be used. Additional keys are thus not required.



IR control element

The IR control element for Busch-Blind control II allows on-site operation (like a mechanical control element) and also convenient operation via infrared remote control.



IR remote control, optional Beo5

In addition to electrical motors the remote control can also operate lighting and other elements.



Memory control element

The memory control element is characterised by simple operation and program. For programming, the blind will also be moved at the desired

point in time. The points in time are saved using a button and repeated every 24 hours.



Standard timer control element 6456

With the standard timer control element, roller shutters and blinds can be opened and closed manually and in a timed manner. Using the removable control element, two switching

times a day can be programmed with ease. In addition, the timer has a vacation function that varies the movement times by chance.



Comfort timer control element 6455

The Comfort timer control element offers even more: 2 RAISING and 2 LOWERING times a day and both roller shutters and blinds can be controlled using 6411 U/S-101 by sun and glass break sensor. You can

mix Astro and fixed time commands, e.g. for controlling outdoor lighting. In combination with dimmers, a number of possibilities is available.



Busch-Wind and sun sensor insert

Various sensors (wind, sun, and rain) can be connected to the Busch-wind and sun sensor insert (Weather Station), thus providing a pleasant room climate.

For more comfort and a safe feeling

If you do not initially want the greatest comfort possible, you can initially combine an insert with a simple control element. If automatic functions should be realised later, you only have to exchange the control unit.

In most cases, the Busch-basic blind insert does not require a neutral conductor (according to the electrical drive) and is thus best suited for retrofitting.

In addition to the manual control element, Busch-Blind control II is suited for technically sophisticated solutions like IR control or the Comfort timer.

In the special design (6411 U/S-101), glass break alarms and brightness sensors can also be connected.

Busch-Blind Basic Insert 6418 U



Busch-Blind control II Insert 6411 U-101



Busch-Blind control II Insert 6411 U/S-101



Glass Break Alarm 6413



Brightness Sensor 6414



Memory control element 6457



Standard timer control element 6456



Control element 6430-xxx-102












IR control element 6066-xxx-10



Comfort timer control element 6455



Modular design of the blind inserts and control elements.

Figure Control element									
Control element	1785 JA-xx	1740-xx	2557 SLPZ-212-101	6430-xxx-xxx	6066-xxx	6457	6456	6455	
Designation Control element	Rocker switch for blind switch/ push-switch	Cover plate with rotary knob for blind switch/ push-switch	Cover plate for profile half cylinder touch latching switch/ push-switch	Control element	IR control element illuminated	Memory control element	Standard timer control element	Comfort timer control element	Control element included in the scope of supply
FM insert	2000/4 US 2020/4 US	2713 U 2723 U	2713 USL-101 2723 USL-101	6411 U-101 6411 U/S-101 6418 U	6411 U-101 6411 U/S-101	6418 U	6418 U	6411 U-101 6411 U/S-101	6480 U-102
Designation FM insert	Blind switch/ push-switch insert	Blind switch/ push-switch insert, rotary knob	Blind switch/ push-switch insert, Profile half cylinder	Busch-Blind control II insert Busch-basic blind insert	Busch-Blind Control II Insert	Busch-basic blind insert	Busch-basic blind insert	Busch-Blind control II insert	Busch-wind and sun sensor insert
Function	Local operation	X	X	X	X	X	X	X	X
	Extension unit input			X (only 6411 U-101/6411 U/S-101)	X			X	
	Party function			X (only 6411 U-101/6411 U/S-101)	X				
	IR reception				X				
Timer	24-hour rhythm					X	X	X	
	Block/individual control times						X	X	
	Astro function						X	X	
Sensor	Integrated temperature sensor								X
	Brightness sensor (sun-dependent control)				6414 (only 6411 U/S-101)	6414 (only 6411 U/S-101)		6414 (only 6411 U/S-101)	6482
	Brightness sensor (sun-dependent control)							6414 (only 6411 U/S-101)	
	Glass break alarm				6413 (only 6411 U/S-101)	6413 (only 6411 U/S-101)		6413 (only 6411 U/S-101)	
	Wind sensor								6481-102
	Rain sensor								See catalogue

X= Combination possible

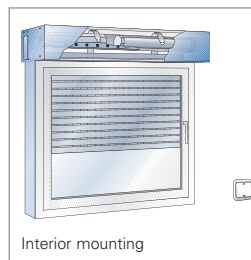
Everything you need for electrical roller shutters

The all-inclusive Busch-Blind control II drive set contains all necessary elements and modules for the electrification of almost all roller shutters. Using the set, you can install window widths from 78 to 180 cm in both new and old buildings.



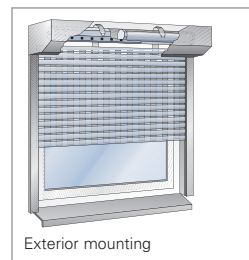
Roller shutter system

The finished roller shutter box is prepared above the window opening by bricklayers during the shell construction of the building.



Fitted shutter

The fitted shutter is attached to the window and installed together with the shell construction of the window.



Front-mounted shutter

This shutter was developed specifically for retrofitting during renovation of older buildings.

Product	Article-No.	Order-No.	Pack/Qty
	Blind switch insert 1) With interlock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	SP, switch 2000/4US	1012-0-1309	10/100
	SP, push switch 2020/4US	1413-0-0590	10/100

1) These venetian blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

	Blind switch insert 1) 2) With rotary knob/switch and push switch. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1, British Standard EN 60669-1		
	DP 2712U	1101-0-0534	10
	SP, N, E 2713U	1101-0-0542	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind switch insert 1) 2) With rotary knob/push button. Rated voltage: 250 V~ Rated current: 10 A IEC60669-1, British Standard EN 60669-1		
	DP 2722U	1101-0-0559	10
	SP, N, E 2723U	1101-0-0567	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Also suitable for DC drives.

	Blind Switch/ Push Switch 1) 2) 3) 4) 5) For profile semi-cylindrical lock/switch and push switch. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 AX IEC60669-1, British Standard EN 60669-1		
	DP 2712 USL-101	1101-0-0872	10
	SP, N, E 2713US L-101	1101-0-0880	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813). (Depth of box 60 mm.)
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See technical information.
4) Seesem i-cylindrical lock.
5) Also suitable for DC drives.

	Blind switch insert 1) 2) 3) 4) For profile semi-cylindrical lock/push button. Delivered without cylindrical lock. Rated voltage: 250 V~ Rated current: 10 A British Standard EN 60669-1, IEC60669-1		
	DP 2722US L-101	1101-0-0898	10
	SP, N, E 2723US L-101	1101-0-0906	10

1) Blind switches/push switches prevents fast change over between operating directions.
2) Use profile semi-cylindrical lock as per drawing. See technical information.
3) Seesem i-cylindrical lock.
4) Also suitable for DC drives.

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	Busch-Duro 2000® SI		
212 white	2504-212	1713-0-0155	10/100
214 alpine white	Reflex SI 2504-214	1713-0-0163	10/100

	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	Busch-Duro 2000® SI		
212 white	2542 DR-212	1753-0-0599	10
214 alpine white	Reflex SI 2542 DR-214	1753-0-2264	10


	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	Busch-Duro 2000® SI		
212 white	2557 PZ-212-101	1710-0-1332	10
214 alpine white	Reflex SI 2557 PZ-214-101	1710-0-1415	10

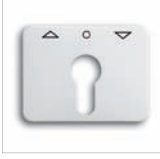
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	Busch-Duro 2000® SI		
212 white	2542 JDR-212	1753-0-0615	10
214 alpine white	Reflex SI 2542 JDR-214	1753-0-2462	10


	Switch rocker With marking As cover for flush mounted blind control switch/push switch. For inserts 2000/4 and 2020/4 US.		
	<i>alpha exclusive®</i>		
22G ivory	1785 JA-22G	1751-0-2581	10
24G studio white	1785 JA-24G	1751-0-2128	10
233 amber *)	1785 JA-233	1751-0-2853	10/100
255 obsidian *)	1785 JA-255	1751-0-2864	10/100
260 palladium 1)	1785 JA-260	1751-0-2831	10/100
266 titanium 1)	1785 JA-266	1751-0-2842	10/100

<i>alpha nea®</i>			
20 platinum 1)	1785 JA-20	1751-0-1823	10
21 bronze 1)	1785 JA-21	1751-0-1831	10
22G ivory	1785 JA-22G	1751-0-2581	10
24 studio white	1785 JA-24	1751-0-1922	10
24G studio white	1785 JA-24G	1751-0-2128	10
26 brown *)	1785 JA-26	1751-0-2915	10
28 hansa blue *)	1785 JA-28	1751-0-2417	10


1) Real metal surface.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	<i>alpha exclusive®</i>		
22G ivory	1740D R-22G	1710-0-2330	10
24G studiowhi te	1740D R-24G	1753-0-7263	10
233 amber *)	1740D R-233	1710-0-3354	10
255 obsidian *)	1740D R-255	1710-0-3380	10
260 palladium *)	1740D R-260	1710-0-3302	10
266 titanium *)	1740D R-266	1710-0-3328	10
	<i>alpha nea®</i>		
20 platinum *)	1740D R-20	1753-0-1092	10
21 bronze *)	1740D R-21	1753-0-1175	10
22G ivory	1740D R-22G	1710-0-2330	10
24 studiowhi te	1740D R-24	1753-0-1555	10
24G studiowhi te	1740D R-24G	1753-0-7263	10
26 brown *)	1740D R-26	1753-0-0010	10
28 hansabl ue *)	1740 DR-28	1753-0-7289	10
1) Surfacepainted. *) Phase-out type			


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With marking As cover for flush mounted half-cylindrical type blind switch/push switch. For inserts 2712 2713 USL-101 and 2722/2723 USL-101.		
	<i>alpha exclusive®</i>		
22G ivory	1755PZ-22G-1 01	1710-0-2348	10
24G studiowhi te	1755PZ-24G-1 01	1710-0-1522	10
233 amber *)	1755PZ-233-1 01	1710-0-3355	10
255 obsidian *)	1755PZ-255-1 01	1710-0-3381	10
260 palladium *)	1755PZ-260-1 01	1710-0-3303	10
266 titanium *)	1755PZ-266-1 01	1710-0-3329	10
	<i>alpha nea®</i>		
20 platinum	1755PZ-20-1 01	1710-0-1498	10
21 bronze *)	1755PZ-21 -101	1710-0-1506	10
22G ivory	1755PZ-22G-1 01	1710-0-2348	10
24 studiowhi te	1755PZ-24-1 01	1710-0-1514	10
24G studiowhi te	1755PZ-24G-1 01	1710-0-1522	10
26 brown *)	1755PZ-26-1 01	1710-0-3583	10
28 hansabl ue *)	1755PZ-28-1 01	1710-0-1555	10
1) Realm etalsurf ace. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
	<i>impuls</i>		
71 brilliantblack *)	1740D R-71	1753-0-9863	10
72 ivory	1740D R-72	1753-0-0032	10
74 alpinewhi te	1740D R-74	1753-0-4864	10
79 champagne metallic *)	1740D R-79	1753-0-5341	10
777 blackberry	1740D R-777	1753-0-0106	10
783 aluminiumsi lver *)	1740 DR-783	1753-0-0033	10
*) Phase-out type 1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Switch rocker With marking As cover for flush mounted blind control switch/ push switch. For inserts 2000/4 and 2020/4 US.		
	<i>future®</i>		
82 savanna/ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
85 manhattan/ graphite *)	1785 JA-85	1751-0-2764	10/100
89 stone/light grey *)	1785 JA-89	1751-0-2888	10
	<i>future® linear</i>		
81 anthracite *)	1785 JA-81	1751-0-2934	10
82 savanna/ivory white	1785 JA-82	1751-0-2748	10
83 aluminium silver *)	1785 JA-83	1751-0-2944	10/100
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
89 stone/light grey *)	1785 JA-89	1751-0-2888	10
	<i>solo®</i>		
82 savanna/ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
85 manhattan/ graphite *)	1785 JA-85	1751-0-2764	10/100
86 samoa/light green *)	1785 JA-86	1751-0-2772	10
87 toscana/purple	1785 JA-87	1751-0-2780	10
88 attica/pigeon blue *)	1785 JA-88	1751-0-2788	10
803 meteor/grey metallic	1785 JA-803	1751-0-3020	10
815 sahara/yellow	1785 JA-815	1751-0-3011	10
	<i>Busch-axcent®</i>		
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
	<i>carat®</i>		
81 anthracite *)	1785 JA-81	1751-0-2934	10
82 savanna/ivory white	1785 JA-82	1751-0-2748	10
84 davos/studio white	1785 JA-84	1751-0-2756	10/100
	<i>pure stainless steel</i>		
866 stainless steel	1785 JA-866	1751-0-2964	10
*) Phase-out type 1) Surface painted.			

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking As cover for flush mounted blind control switch/ push switch. for inserts 2712 U, 2713 U and 2722 U, 2723 U.		
			future®
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
85 manhattan/graphite *)	1740-85	1710-0-3190	10
89 stone/lightgrey *)	1740-89	1710-0-3445	10
			future® linear
81 anthracite *)	1740-81	1710-0-3623	10
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
89 stone/lightgrey *)	1740-89	1710-0-3445	10
83 aluminiumsilver *)	1740-83	1710-0-3661	10
			solo®
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
85 manhattan/graphite *)	1740-85	1710-0-3190	10
86 samoa/light green *)	1740-86	1710-0-3208	10
87 toscana/purple	1740-87	1710-0-3226	10
88 attica/pigeon blue *)	1740-88	1710-0-3244	10
803 meteor/grey metallic	1740-803	1710-0-3840	10
815 sahara/yellow	1740-815	1710-0-3820	10
			Busch-axcent®
84 davos/studio white	1740-84	1710-0-3172	10/100
			carat®
81 anthracite *)	1740-81	1710-0-3623	10
82 savanna/ivory white	1740-82	1710-0-3154	10
84 davos/studio white	1740-84	1710-0-3172	10/100
			pure stainless steel
866 stainlesssteel	1740-866	1710-0-3748	10

*) Phase-out type
1) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate 1) With label area with marking. For half-cylindrical type switches and Blind Control Switch/ Push Switch. For inserts 2733 USL-101 and 2712 USL-101, 2713 USL-101, 2722 USL-101, 2723 USL-101.		
			future®
82 savanna/ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
85 manhattan/graphite *)	1755 SL/PZ-85-101	1710-0-3193	10
89 stone/light grey *)	1755 SL/PZ-89-101	1710-0-3448	10
			future® linear
81 anthracite *)	1755 SL/PZ-81-101	1710-0-3626	10
82 savanna/ivory white	1755 SL/PZ-82-101	1710-0-3157	10
83 aluminiumsilver *)	1755 SL/PZ-83-101	1710-0-3662	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
89 stone/light grey *)	1755 SL/PZ-89-101	1710-0-3448	10
			solo®
82 savanna/ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
85 manhattan/graphite *)	1755 SL/PZ-85-101	1710-0-3193	10
86 samoa/light green *)	1755 SL/PZ-86-101	1710-0-3211	10
87 toscana/purple	1755 SL/PZ-87-101	1710-0-3229	10
88 attica/pigeon blue *)	1755 SL/PZ-88-101	1710-0-3247	10
803 meteor/grey metallic	1755 SL/PZ-803-101	1710-0-3841	10
815 sahara/yellow	1755 SL/PZ-815-101	1710-0-3821	10
			Busch-axcent®
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
			carat®
81 anthracite *)	1755 SL/PZ-81-101	1710-0-3626	10
82 savanna/ivory white	1755 SL/PZ-82-101	1710-0-3157	10
84 davos/studio white	1755 SL/PZ-84-101	1710-0-3175	10
			pure stainless steel
866 stainless steel	1755 SL/PZ-866-101	1710-0-3749	10


1) Refer to marking plate 1799 18 and labelling software.
2) Surface painted.
*) Phase-out type




Basic blinds insert 1) 2)

Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control element 6457.
For Standard timer control element 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2x Normally open contact
Rated current: 3 A, cos 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C
6418 U-500 6410-0-0376 1/10


1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Capacitor set ¹⁾ For supplying power to the basic blinds insert 6418 U if it cannot be supplied with sufficient power (current) from the motor and no neutral conductor can be connected. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Temperature range (Device): -25 °C to 50 °C</p>	6498	6410-0-0383	1/10

1) The capacitor set is installed between the control lines (UP / DOWN) and the neutral conductor.

 <p>Standard timer control element ¹⁾ For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C</p>	6456	6410-0-0374	1/10
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1) See respective cover plates 6435-xx.

 <p>Memory control element ¹⁾ For manual and automatic switching of blinds and roller blinds. Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C</p>	6457	6410-0-0382	1/10
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1) See respective cover plates 1773 JA-xx.


 <p>Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Busch-Duro 2000®SI</p>	6430-212-102	6430-0-0313	1/10
	Reflex SI 6430-214-102	6430-0-0314	1/10

Product	Article-No.	Order-No.	Pack/Qty
 <p>Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>alpha exclusive®</i></p>	6430-22G-102	6430-0-0321	1/10

22G ivory	6430-22G-102	6430-0-0321	1/10
24G studio white	6430-24G-102	6430-0-0323	1/10
233 amber *)	6430-233-102	6430-0-0315	1/10
255 obsidian *)	6430-255-102	6430-0-0316	1/10
260 palladium ¹⁾	6430-260-102	6430-0-0317	1/10
266 titanium ¹⁾	6430-266-102	6430-0-0318	1/10


<i>alpha nea®</i>			
20 platinum ¹⁾	6430-20-102	6430-0-0319	1/10
21 bronze ¹⁾	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studio white	6430-24-102	6430-0-0322	1/10
24G studio white	6430-24G-102	6430-0-0323	1/10
26 brown *)	6430-26-102	6430-0-0324	1/10
28 hansa blue *)	6430-28-102	6430-0-0325	1/10


1) Real metal surface.
*) Phase-out type


 <p>Control element ¹⁾ With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>impuls</i></p>	6430-71	6430-0-0227	1
	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic ²⁾	6430-79	6430-0-0177	1
777 blackberry	6430-777	6430-0-0346	1
783 aluminium silver ²⁾	6430-783	6430-0-0338	1

1) Replacement neon lamp 3857.
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U.		
	future®		
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
85 manhattan/graphite *)	6430-85-102	6430-0-0330	1/10
89 stone/lightgrey *)	6430-89-102	6430-0-0334	1/10
	future®|inear		
81 anthracite *)	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
83 aluminiumsilver *)	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
89 stone/lightgrey *)	6430-89-102	6430-0-0334	1/10
	solo®		
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
85 manhattan/graphite *)	6430-85-102	6430-0-0330	1/10
86 samoa/lightgreen *)	6430-86-102	6430-0-0331	1/10
87 toscana/purple	6430-87-102	6430-0-0332	1/10
88 attica/pigeon blue *)	6430-88-102	6430-0-0333	1/10
803 meteor/grey metallic	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10
	Busch-axcent®		
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	carat®		
81 anthracite *)	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	pure stainless steel		
866 stainlesssteel	6430-866-102	6430-0-0343	1/10
	1) Surface painted. *) Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	alpha exclusive®		
22G ivory	6435-22G	6430-0-0293	10
24G studio white	6435-24G	6430-0-0295	10
233 amber *)	6435-233	6430-0-0287	10
255 obsidian *)	6435-255	6430-0-0288	10
260 palladium *)	6435-260	6430-0-0289	10
266 titanium *)	6435-266	6430-0-0290	10
	alpha nea®		
20 platinum *)	6435-20	6430-0-0291	10
21 bronze *)	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studio white	6435-24	6430-0-0294	10/100
24G studio white	6435-24G	6430-0-0295	10
26 brown *)	6435-26	6430-0-0296	10
28 hansa blue *)	6435-28	6430-0-0297	10
	1) Surface painted. *) Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	impuls		
71 brilliant black *)	6435-71	6430-0-0299	10
72 ivory	6435-72	6430-0-0341	10
74 alpine white	6435-74	6430-0-0300	10
79 champagne metallic *)	6435-79	6430-0-0302	10
777 blackberry	6435-777	6430-0-0347	10
783 aluminium silver *)	6435-783	6430-0-0342	10
	1) Surface painted. *) Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	Busch-Duro 2000®SI		
212 white	6435-212	6430-0-0285	10/100
	Reflex SI		
214 alpinewhite	6435-214	6430-0-0286	10/100



Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	future®		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
89 stone/lightgrey *)	6435-89	6430-0-0311	10
	future®|inear		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
83 aluminiumsilver *)	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
89 stone/lightgrey *)	6435-89	6430-0-0311	10
	solo®		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
86 samoa/light green *)	6435-86	6430-0-0308	10
87 toscana/purple	6435-87	6430-0-0309	10
88 attica/pigeon blue *)	6435-88	6430-0-0310	10
803 meteor/grey metallic	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent®		
84 davos/studio white	6435-84	6430-0-0306	10
	carat®		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel		
866 stainlesssteel	6435-866	6430-0-0344	10


1) Surface painted.
*) Phase-out type



Cover plate
For Memory control element 6457.

Busch-Duro 2000®SI

212 white	1773J A-212	1724-0-2281	10
	Reflex SI		
214 alpinewhite	1773J A-214	1724-0-2299	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
	alpha exclusive®		
22G ivory	1773 JA-22G	1724-0-2539	10
24G studio white	1773 JA-24G	1724-0-2364	10
233 amber *)	1773 JA-233	1724-0-2799	10
255 obsidian *)	1773 JA-255	1724-0-2804	10
260 palladium *)	1773 JA-260	1724-0-2789	10
266 titanium *)	1773 JA-266	1724-0-2794	10
	alpha nea®		
20 platinum *)	1773 JA-20	1724-0-2331	10
21 bronze *)	1773 JA-21	1724-0-2349	10
22G ivory	1773 JA-22G	1724-0-2539	10
24 studio white	1773 JA-24	1724-0-2356	10
24G studio white	1773 JA-24G	1724-0-2364	10
28 hansa blue *)	1773 JA-28	1724-0-2398	10
26 brown *)	1773 JA-26	1724-0-2866	10

1) Surface painted.
*) Phase-out type



Cover plate
For Memory control element 6457.


impuls

71 brilliant black *)	1773 JA-71	1724-0-2414	10
72 ivory	1773 JA-72	1724-0-4265	10
74 alpine white	1773 JA-74	1724-0-2422	10
79 champagne metallic *)	1773 JA-79	1724-0-2455	10
777 blackberry	1773 JA-777	1724-0-4285	10
83 aluminium silver *)	1773 JA-783	1724-0-4266	10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457. future®		
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
85 manhattan/graphite *)	1773J A-85	1724-0-2762	10
89 stone/lightgrey *)	1773J A-89	1724-0-2829	10
	future®| inear		
81 anthracite *)	1773J A-81	1724-0-4251	10
82 savanna/ivory white	1773J A-82	1724-0-2757	10
83 aluminiumsilver *)	1773J A-83	1724-0-4260	10
84 davos/studio white	1773J A-84	1724-0-2760	10
89 stone/lightgrey *)	1773J A-89	1724-0-2829	10
	solo®		
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
85 manhattan/graphite *)	1773J A-85	1724-0-2762	10
86 samoa/light green *)	1773J A-86	1724-0-2765	10
87 toscana/purple	1773J A-87	1724-0-2768	10
88 attica/pigeon blue *)	1773J A-88	1724-0-2771	10
803 meteor/grey metallic	1773J A-803	1724-0-4290	10
815 sahara/yellow	1773J A-815	1724-0-4287	10
	Busch-axcent®		
84 davos/studio white	1773J A-84	1724-0-2760	10
	carat®		
81 anthracite *)	1773J A-81	1724-0-4251	10
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
	pure stainless steel		
866 stainlesssteel	1773J A-866	1724-0-4269	10


1) Surfacepainted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U-101	6410-0-0377	1/10


1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

	Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10


1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.


	Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-101	6410-0-0389	1/10

	Burglar alert sensor For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	100


Product	Article-No.	Order-No.	Pack/Qty
	Comfort timer control element ¹⁾ For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. Combined with the Busch-Universal master dimmer insert 6593 U, the brightness of the lighting can be set for every switch-on time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. For Busch-Universal touch-type controller 6550 U-101. Temperature range (Device): 0 °C to 35 °C		
	6455-500	6410-0-0373	1/10

1) See respective cover plates 6435-xx.


	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. Busch-Duro 2000®SI		
212 white	6430-212-102	6430-0-0313	1/10
	Reflex SI		
214 alpinewhi te	6430-214-102	6430-0-0314	1/10

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>alpha exclusive</i> ®		
22G ivory	6430-22G-102	6430-0-0321	1/10
24G studiowhi te	6430-24G-102	6430-0-0323	1/10
233 amber ¹⁾	6430-233-102	6430-0-0315	1/10
255 obsidian ¹⁾	6430-255-102	6430-0-0316	1/10
260 palladium ¹⁾	6430-260-102	6430-0-0317	1/10
266 titanium ¹⁾	6430-266-102	6430-0-0318	1/10
	<i>alpha nea</i> ®		
20 platinum ¹⁾	6430-20-102	6430-0-0319	1/10
21 bronze ¹⁾	6430-21-102	6430-0-0320	1/10
22G ivory	6430-22G-102	6430-0-0321	1/10
24 studiowhi te	6430-24-102	6430-0-0322	1/10
24G studiowhi te	6430-24G-102	6430-0-0323	1/10
26 brown ¹⁾	6430-26-102	6430-0-0324	1/10
28 hansabl ue ¹⁾	6430-28-102	6430-0-0325	1/10

1) Realm etalsurf ace.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Control element ¹⁾ With neon lamp. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>impuls</i>		
71 brilliant black ¹⁾	6430-71	6430-0-0227	1
72 ivory	6430-72	6430-0-0337	1
74 alpine white	6430-74	6430-0-0144	1
79 champagne metallic ²⁾	6430-79	6430-0-0177	1
777 blackberry	6430-777	6430-0-0346	1
783 aluminium silver ²⁾	6430-783	6430-0-0338	1

1) Replacement neon lamp 3857.
2) Surface painted.
*) Phase-out type

	Control element For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For basic blinds insert 6418 U. For Busch Universal 2gang 1way insert 6402 U. <i>future</i> ®		
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
85 manhattan/graphite ¹⁾	6430-85-102	6430-0-0330	1/10
89 stone/light grey ¹⁾	6430-89-102	6430-0-0334	1/10
	<i>future</i> ® linear		
81 anthracite ¹⁾	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
83 aluminium silver ¹⁾	6430-83-102	6430-0-0328	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
89 stone/light grey ¹⁾	6430-89-102	6430-0-0334	1/10
	<i>solo</i> ®		
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
85 manhattan/graphite ¹⁾	6430-85-102	6430-0-0330	1/10
86 samoa/light green ¹⁾	6430-86-102	6430-0-0331	1/10
87 toscana/purple	6430-87-102	6430-0-0332	1/10
88 attica/pigeon blue ¹⁾	6430-88-102	6430-0-0333	1/10
803 meteor/grey metallic	6430-803-102	6430-0-0350	1/10
815 sahara/yellow	6430-815-102	6430-0-0348	1/10
	<i>Busch-axcent</i> ®		
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	<i>carat</i> ®		
81 anthracite ¹⁾	6430-81-102	6430-0-0326	1/10
82 savanna/ivory white	6430-82-102	6430-0-0327	1/10
84 davos/studio white	6430-84-102	6430-0-0329	1/10
	<i>pure stainless steel</i>		
866 stainless steel	6430-866-102	6430-0-0343	1/10

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control II built-in unit ^{1) 2)} 2gang		
	For joint switching of 2 blind drives via a 230 V multi-way input terminal. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~ Rated frequency: 50 Hz Outputs: 4x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): 0 °C to 35 °C		
	6420EB -500	6420-0-0020	1

1) Suitable for multi-phase operation.
2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).

	IR flying receiver ¹⁾		
	For controlling the built-in devices: 6420 built-in/6056 built-in. With approx. 0.5 m supply lead. Length of the linear lamp: 30 mm Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.		
	6045 E-101-500	6020-0-1240	1

1) Feed line cannot be extended.

	IR control element ¹⁾ With marking, illuminated		
	For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>alpha exclusive[®]</i>		
	22G ivory	6066-22G-102	6020-0-1318 1/10
	24G studiowhite	6066-24G-102	6020-0-1320 1/10
	233 amber ^{*)}	6066-233-102	6020-0-1363 1/10
	255 obsidian ^{*)}	6066-255-102	6020-0-1364 1/10
	260 palladium ²⁾	6066-260-102	6020-0-1365 1/10
	266 titanium ²⁾	6066-266-102	6020-0-1366 1/10
	<i>alpha nea[®]</i>		
	20 platinum ²⁾	6066-20-102	6020-0-1316 10
	21 bronze ²⁾	6066-21-102	6020-0-1317 1/10
	22G ivory	6066-22G-102	6020-0-1318 1/10
	24 studiowhite	6066-24-102-500	6020-0-1371 1
	24G studiowhite	6066-24G-102-500	6020-0-1372 1
	28 hansablue ^{*)}	6066-28-102	6020-0-1323 10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated		
	For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch-Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>impuls</i>		
	71 brilliant black ^{*)}	6066-71-101	6020-0-1042 1
	72 ivory	6066-72-101	6020-0-1385 1
	74 alpine white	6066-74-101-500	6020-0-1190 1
	79 champagne metallic ²⁾	6066-79-101	6020-0-0606 1
	777 blackberry	6066-777-101	6020-0-1391 1
	783 aluminium silver ²⁾	6066-783-101	6020-0-1386 1


1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type


	IR control element ¹⁾ With marking, illuminated		
	For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		

	<i>future[®]</i>		
	82 savanna/ivory white	6066-82	6020-0-1332 10/10
	84 davos/studio white	6066-84	6020-0-1334 1/10
	85 manhattan/graphite ^{*)}	6066-85	6020-0-1336 10/10
	89 stone/light grey ^{*)}	6066-89	6020-0-1361 1/10
	<i>future[®] linear</i>		
	81 anthracite ^{*)}	6066-81	6020-0-1379 1/10
	82 savanna/ivory white	6066-82	6020-0-1332 10/10
	83 aluminium silver ²⁾	6066-83	6020-0-1383 1/10
	84 davos/studio white	6066-84	6020-0-1334 1/10
	89 stone/light grey ^{*)}	6066-89	6020-0-1361 1/10
	<i>solo[®]</i>		
	82 savanna/ivory white	6066-82	6020-0-1332 10/10
	84 davos/studio white	6066-84	6020-0-1334 1/10
	85 manhattan/graphite ^{*)}	6066-85	6020-0-1336 10/10
	86 samoa/light green ^{*)}	6066-86	6020-0-1338 1/10
	87 toscana/purple	6066-87	6020-0-1340 1/10
	88 attica/pigeon blue ^{*)}	6066-88	6020-0-1342 1
	803 meteor/grey metallic	6066-803	6020-0-1395 1/10
	815 sahara/yellow	6066-815	6020-0-1393 1/10
	<i>Busch-axcent[®]</i>		
	84 davos/studio white	6066-84	6020-0-1334 1/10
	<i>carat[®]</i>		
	81 anthracite ^{*)}	6066-81	6020-0-1379 1/10
	82 savanna/ivory white	6066-82	6020-0-1332 10/10
	84 davos/studio white	6066-84	6020-0-1334 1/10
	<i>pure stainless steel</i>		
	866 stainless steel	6066-866	6020-0-1389 1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.</p> <p>Busch-Duro 2000®SI</p>			
	212 white	6435-212	6430-0-0285	10/100
214 alpinewhi te	Reflex SI 6435-214	6430-0-0286	10/100


 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.</p> <p><i>alpha exclusive®</i></p>			
	22G ivory	6435-22G	6430-0-0293	10
24G studiowhi te	6435-24G	6430-0-0295	10
233 amber *)	6435-233	6430-0-0287	10
255 obsidian *)	6435-255	6430-0-0288	10
260 palladium 1)	6435-260	6430-0-0289	10
266 titanium 1)	6435-266	6430-0-0290	10
	<i>alpha nea®</i>		
20 platinum 1)	6435-20	6430-0-0291	10
21 bronze 1)	6435-21	6430-0-0292	10
22G ivory	6435-22G	6430-0-0293	10
24 studiowhi te	6435-24	6430-0-0294	10/100
24G studiowhi te	6435-24G	6430-0-0295	10
26 brown *)	6435-26	6430-0-0296	10
28 hansabl ue *)	6435-28	6430-0-0297	10

 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.</p> <p><i>impuls</i></p>			
	71 brilliantblack *)	6435-71	6430-0-0299	10
72 ivory	6435-72	6430-0-0341	10
74 alpinewhi te	6435-74	6430-0-0300	10
79 champagne metallic 1)	6435-79	6430-0-0302	10
777 blackberry	6435-777	6430-0-0347	10
783 aluminiumsilver 1)	6435-783	6430-0-0342	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
 <p>Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.</p> <p>future®</p>			
	82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
89 stone/light grey *)	6435-89	6430-0-0311	10
	future® linear		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
83 aluminium silver 1)	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
89 stone/light grey *)	6435-89	6430-0-0311	10
	solo®		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
86 samoa/light green *)	6435-86	6430-0-0308	10
87 toscana/purple	6435-87	6430-0-0309	10
88 attica/pigeon blue *)	6435-88	6430-0-0310	10
803 meteor/grey metallic	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent®		
84 davos/studio white	6435-84	6430-0-0306	10
	carat®		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel		
866 stainless steel	6435-866	6430-0-0344	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control II drive set ¹⁾ For installation in all the commonly available roller-blind boxes, suitable for mini roller blinds and those in new buildings. The set contains individual parts such as the shaft, motor, bearing, holder, attachment springs, etc.. Telescopic shaft for simple fitting to the window width. Maintenance-free motor with mechanical limit switch switch-off. Minimum width of roller blind box: 0.78 m Maximum window width: 1.8 m Range of application: Wood/aluminium: 3 m ² Plastic: 5 m ² Speed: 12 rpm, torque: 17 Nm Mains voltage: 230V, 50Hz, power input: 0.6 A Connecting cable: 3 m Octagonal steel shaft: SW50 Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated current: 0.6 A, cos 0.9 Rated power: 130 W Protection class (Device): IP 44 Temperature range (Device): -40 °C to 80 °C		
	6445	6410-0-0368	1

1) For switching motors in parallel, use cut-off relay 6415.


	Octagonal steel shaft SW50 Octagonal steel shaft for holding tube motors. Suitable for Busch-Blind contro [®] I II drive set 6445. Length: 2m Maximum permissible window width when using the optional octagon shaft for roller blinds: Plastic roller blind: 2.3 m with a max. window height of 2.5 m Aluminium roller blind: 2.1 m with a max. window height of 2.25 m Wooden roller blinds: 1.8 m with a max.window height of 1.75 m		
	6499	6410-0-0369	


	Busch-Blind control II cut-off relay 2gang For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U, 6411 U/S or 6454 U-10x). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Temperature range (Device): -25 °C to 50 °C		
	6415	6410-0-0302	10

	Busch-Blind contro[®]I II cut-off relay DC drives 2gang For jointly switching 2 blind drives via a 230 V contact maker (UP/DOWN) (e.g. 6411 U, 6411 U/S or 6454 U-10x). For grouping more than 2 blinds, several cut-off relays can be controlled parallel. For installation in commercially available SM-or flush mounted boxes. The device requires an external supply voltage of 12-48 V DC. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact Rated current: 3 A Temperature range (Device): -25 °C to 50 °C		
	6415/24	6410-0-0363	1/10


Product	Article-No.	Order-No.	Pack/Qty
	Busch-Wind and sun blind switch ¹⁾ ²⁾ ³⁾ ⁴⁾ with automatic switching control For controlling blind or awning motors. Adjustable light, wind and temperature value. With internal temperature sensor. Sun, wind and rain sensor can be connected externally. With intermediate position for awnings and turning position for blinds. Impulse duration: 30 sec to 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Rated current: 3 A, cos 0.6 Rated power: 690 VA Temperature range (Device): -5 °C to 50 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6480 U-102	6410-0-0371	1/10

- 1) See sun sensor and wind sensor.
- 2) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
- 3) Measured value transmitters for precipitation can be purchased from Fa.Warema Renckhoff GmbH, 97828 Marktheidenfeld, Germany. Measured value transmitter, precipitation Art. No. 1002325, power pack Art. No. 629065, pipe assembly set Art. No. 1003255.
- 4) For use only in conjunction with Wind Sensor 6481-102.


	Wind sensor For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1

	Sun sensor For Busch-Wind and sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1

	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x. Busch-Duro 2000 [®] SI		
	212 white	1775 S/W-212-101	1710-0-3122 10
		Reflex SI	
	214 alpine white	1775 S/W-214-101	1710-0-3123 10

	Cover plate For Busch-Wind and sun blind switch insert 6480 U-10x. <i>alpha exclusive[®]</i>		
	22G ivory	1775 S/W-22G-101	1710-0-3129 10
	24G studio white	1775 S/W-24G-101	1710-0-3131 10
	233 amber ¹⁾	1775 S/W-233-101	1710-0-3360 10
	255 obsidian ¹⁾	1775 S/W-255-101	1710-0-3386 10
	260 palladium ¹⁾	1775 S/W-260-101	1710-0-3308 10
	266 titanium ¹⁾	1775 S/W-266-101	1710-0-3334 10
		<i>alpha nea[®]</i>	
	20 platinum ¹⁾	1775 S/W-20-101	1710-0-3127 10
	21 bronze ¹⁾	1775 S/W-21-101	1710-0-3128 10
	22G ivory	1775 S/W-22G-101	1710-0-3129 10
	24 studio white	1775 S/W-24-101	1710-0-3130 10
	24G studio white	1775 S/W-24G-101	1710-0-3131 10
	28 hansa blue ¹⁾	1775 S/W-28-101	1710-0-3134 10
	26 brown ¹⁾	1775 S/W-26-101	1710-0-3586 10

- 1) Surface painted.
- ^{*)} Phase-out type

Product	Article-No.	Order-No.	Pack/Qty	
	Cover plate			
	For Busch-Wind and sun blind switch insert 6480 U-10x.			
	<i>impuls</i>			
	71 brilliantblack *)	1775S /W-71-101	1710-0-3136	10
	72 ivory	1775S /W-72-101	1710-0-3738	10
	74 alpinewhite	1775S /W-74-101	1710-0-3137	10
79 champagne metallic 1)	1775S /W-79-101	1710-0-3140	10	
777 blackberry	1775S /W-777-101	1710-0-3813	10	
783 aluminiumsilver 1)	1775S /W-783-101	1710-0-3739	10	

1) Surfacepainted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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	Cover plate			
	For Busch-Wind and sun blind switch insert 6480 U-10x.			
	<i>future®</i>			
	82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10
	84 davos/studio white	1775S /W-84-101	1710-0-3174	10
	85 manhattan/graphite *)	1775S /W-85-101	1710-0-3192	10
89 stone/lightgrey *)	1775S /W-89-101	1710-0-3447	10	
<i>future®|inear</i>				
81 anthracite *)	1775S /W-81-101	1710-0-3625	10	
82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10	
83 aluminiumsilver 1)	1775S /W-83-101	1710-0-3663	10	
84 davos/studio white	1775S /W-84-101	1710-0-3174	10	
89 stone/lightgrey *)	1775S /W-89-101	1710-0-3447	10	
<i>solo®</i>				
82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10	
84 davos/studio white	1775S /W-84-101	1710-0-3174	10	
85 manhattan/graphite *)	1775S /W-85-101	1710-0-3192	10	
86 samoa/light green *)	1775S /W-86-101	1710-0-3210	10	
87 toscana/purple	1775S /W-87-101	1710-0-3228	10	
88 attica/pigeon blue *)	1775S /W-88-101	1710-0-3246	10	
803 meteor/grey metallic	1775S /W-803-101	1710-0-3842	10	
815 sahara/yellow	1775S /W-815-101	1710-0-3822	10	
<i>Busch-axcent®</i>				
84 davos/studio white	1775S /W-84-101	1710-0-3174	10	
<i>carat®</i>				
81 anthracite *)	1775S /W-81-101	1710-0-3625	10	
82 savanna/ivory white	1775S /W-82-101	1710-0-3156	10	
84 davos/studio white	1775S /W-84-101	1710-0-3174	10	
<i>pure stainless steel</i>				
866 stainlesssteel	1775S /W-866-101	1710-0-3750	10	

1) Surfacepainted.
*) Phase-out type

Always abreast
of the times.



THERE ARE TASKS WHICH HAVE TO BE CARRIED OUT EVERYDAY. WHY NOT DELEGATE THESE ROUTINES RATHER THAN CHECKING YOUR WATCH? TIMERS CAN SWITCH AND CONTROL ACCURATELY TO THE MINUTE – IN THIS WAY YOU CAN PAY ATTENTION TO MORE IMPORTANT THINGS.



Busch-Memory control switch

The memory control switch is characterised by simple operation and program. For programming, the blind will also be moved at the desired point in time. The points in time are saved using a button and repeated every 24 hours.



Standard timer

With the standard timer, roller shutters and blinds can be opened or closed manually and in a timed manner. The integrated Astro program automatically adjusts the blind times upon request to the sunrise and sunset time.



Comfort timer

The Comfort timer is the intelligent control system for roller shutters and blinds. It has the same functions as the standard timer control element, but also lets you realise switching and dimming functions. You can thus switch on the outdoor lighting using the Comfort timer, for example.



Comfort timer. Switch series: solo®. Colour: davos.

Materials: thermosetting plastic/thermoplastic cover (PC), impact-proof and fracture-resistant (thermoplastic only), UV-resistant, free of PVC and halogen.

Busch-Timer® for blind control	382
Cover plates	384
Busch-Short-time timer	386



Overview Timers.



15-minute timer

15-minute timer with 2-pole NC contact (mechanical "egg timer")



120-minute timer

120-minute timer with 2-pole NC contact (mechanical "egg timer")



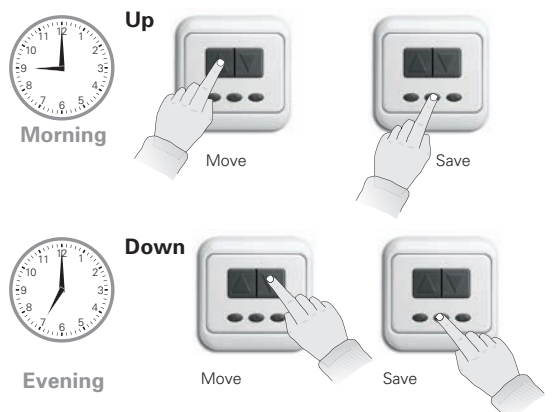
Busch-Short-time timer

Freely programmable short-time timer within a range from 1 second to 9 hours, 59 minutes, and 59 seconds. The currently set time is saved after it is up and can be called up again and again. The short-time timer can be stopped at any time (electronic "count-down"). Busch-short-time timers have a second cover plate that covers both left buttons. The set time can thus not be changed.



Busch-Memory control switch

The memory control switch makes it possible to raise and lower the blinds or roller shutters every day at the same time. The programming is extremely easy. In order to program the device the blind is simply lowered and raised at the desired time. These times are stored and then automatically repeated every 24 hours.



Easy programming with the memory control element. Move the blind in the desired direction and press the programming button – done!



Standard timer

For this timer, **two** switching times can be set for the every day raising and lowering. It also has a vacation function for which the times can be changed again and again by chance to simulate a presence in the house.

In addition to automatic switching times, the timer also has an Astro function that activates the blind at sunrise and sunset.



Comfort timer

For this timer, **four** switch times can be set for the raising and lowering times every day. It has the same functions as the standard timer control element, but also lets you realise switching and dimming functions. You can thus switch on the outdoor lighting using the Comfort timer, for example.

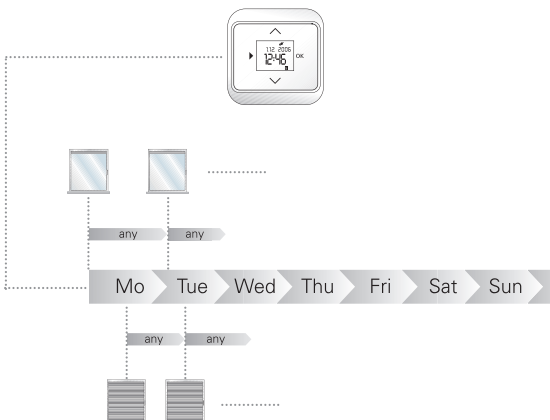


In the case of both timer control elements, programming can be performed when they are removed. The timer control element can be programmed while you're sitting comfortably and then placed on the FM insert. This applies particularly when the switch combination is badly accessible because it is blocked by furniture and the display cannot be read.

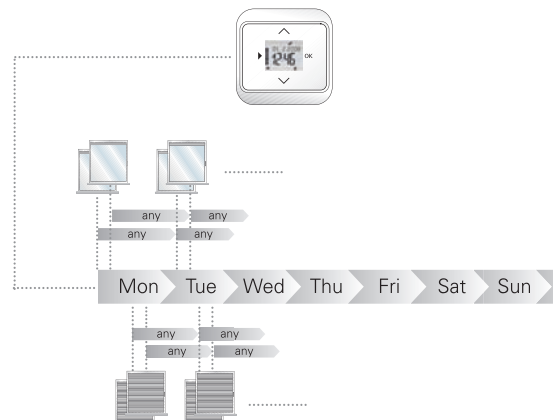
Setting a timer was never this easy: the display shows what you are presenting programming, thus making operating instructions superfluous.

The Astro function can also be set for only sunrise or sunset. In addition, conventional switching times and Astro switching times can be combined.

Without extensions, this combination of FM insert and control element is recommended for direct operation with a blind. The combination is also suited as a group and main control unit for the Busch-Blind control II.




For the standard timer, **two** switching times can be set for the raising and lowering times every day.



For the comfort timer, **four** switching times can be set for the raising and lowering times every day.




Product	Article-No.	Order-No.	Pack/Qty
 <p>Comfort timer control element 1) For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function. User-adjustable sun protection and dimming function. User-adjustable running times for blinds and air conditioning. Control cover is adjustable without flush mounted insert. 4 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. Combined with the Busch-Universal master dimmer insert 6593 U, the brightness of the lighting can be set for every switch-on time. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For relay switch insert 6401 U-102. For Busch-Universal master dimmer insert 6593 U. for Busch-Universal touch-type controller 6550 U-101. Temperature range (Device): 0 °C to 35 °C</p>	6455-500	6410-0-0373	1/10


1) See respective cover plates 6435-xx.


 <p>Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C</p>	6411 U-101	6410-0-0377	1/10
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1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Busch-Blind control switch insert 1) 2) Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C</p>	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

 <p>Light sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.</p>	6414-500	6410-0-0348	10
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 <p>Burglar alert sensor For insert 6411U/S-101. With 4 m connecting cable.</p>	6413-500	6410-0-0349	100
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 <p>Standard timer control element 1) For manual and automatic switching of blinds and roller blinds. With dusk to dawn program including individual adjustment and blocking time. The controlled devices can be manually operated at any time. Easy adjustment using menu and text-based display. Factory-set switching times can be individually adjusted. Automatic summer/wintertime switch-over. Switching times/programme are safely stored in the event of a mains power failure. 14-hour power reserve for time and date (maintenance-free capacitor). Simple toggling between manual/automatic/vacation modes. Control cover is adjustable without flush mounted insert. 2 switching times per day can be user-defined for each day of the week. Dusk to dawn switching times and dawn to dusk switching times can be combined. For basic blinds insert 6418 U. Temperature range (Device): 0 °C to 35 °C</p>	6456	6410-0-0374	1/10
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1) See respective cover plates 6435-xx.

Product	Article-No.	Order-No.	Pack/Qty
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Memory control cover 1)

For manual and automatic switching of blinds and roller blinds.
Executes the individually programmed switching commands (UP/DOWN) in a 24-hour rhythm.
For basic blinds insert 6418 U.
Temperature range (Device): 0 °C to 35 °C

6457 6410-0-0382 1/10

1) See respective cover plates 1773 JA-xx.



Basic blinds insert 1) 2)

Suitable for blind and roller blind drives with mechanical or electronic limit switch shut-off.
Suitable for operation without neutral conductor.
Without an extension input.
Using the basic blinds insert 6418 U, a mechanical blind switch can be exchanged with a convenient time control, for example.
For control cover 6430-xx-xxx.
For Memory control element 6457.
For Standard timer control element 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2x Normally open contact
Rated current: 3 A, cos 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

6418 U-500 6410-0-0376 1/10

1) N-conductor connection required for operation with control cover 6430-7x, illuminated.
2) N-conductor connection may be required for operation with blind and roller blind drives with electronic limit switch shut-off. If no N-conductor is available, capacitor set 6498 can be used.

Product	Article-No.	Order-No.	Pack/Qty
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Comfort timer control element 1)

For manual and time-controlled switching of blinds, roller blinds, awnings, lighting and other electrical devices.
With dusk to dawn program including individual adjustment and blocking time.
The controlled devices can be manually operated at any time.
Easy adjustment using menu and text-based display.
Factory-set switching times can be individually adjusted.
Automatic summer/wintertime switch-over
Switching times/programme are safely stored in the event of a mains power failure.
14-hour power reserve for time and date (maintenance-free capacitor).
Simple toggling between manual/automatic/vacation modes.
Combined with Busch-Blind control II insert 6411 U/S-101, sun protection and dimming function.
User-adjustable sun protection and dimming function.
User-adjustable running times for blinds and air conditioning.
Control cover is adjustable without flush mounted insert.
4 switching times per day can be user-defined for each day of the week.
Dusk to dawn switching times and dawn to dusk switching times can be combined.
Combined with the Busch-Universal master dimmer insert 6593 U, the brightness of the lighting can be set for every switch-on time.
For Busch-Blind control II insert 6411 U-101, 6411 U/S-101.
For relay switch insert 6401 U-102.
For Busch-Universal master dimmer insert 6593 U.
for Busch-Universal touch-type controller 6550 U-101
Temperature range (Device): 0 °C to 35 °C

6455-500 6410-0-0373 1/10

1) See respective cover plates 6435-xx.



Busch-Universal relay switch insert

3 wire connection (neutral conductor required).
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
For Comfort timer control element 6455.
For Busch-Remote control IR control cover 6067-xxx-10x.
For control cover with control lamp 6543-xxx-10x.
Combinable with Busch Watchdog extension insert 6805 U.
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers.
Rated current: 10 AX
Rated power: 2300 W/VA
Temperature range (Device): -25 °C to 55 °C
British Standard EN 60669-2-1

6401 U-102-500 6401-0-0049 1/10



Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal master dimmer insert 1) 2) 3)
with light-level memory and intelligence for universal operation
Selectable Soft-ON/OFF function and memory function.
Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
Short-circuit protected, overload-protected.
With push switch operation.
For control cover with control lamp 6543-xxx-10x.
For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control element 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 60 - 420 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6593U-50 0 6590-0-0171 1/10

- 1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.



Busch-Universal master dimmer capacity booster
The control is effected by a Busch-Universal master dimmer 6593 U or Busch-Universal rotary dimmer 6591U-101
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
Can only be installed in conjunction with a cover plate 2114-xxx and 6541-xxx.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6594U-50 0 6590-0-0172 1



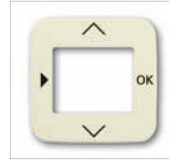
Busch-Memory touch-type controller 1) 2)
3 wire connection (neutral conductor required).
For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC.
For control cover with control lamp 6543-xxx-10x.
For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For Comfort timer control element 6455.
For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101.
For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M.
For Busch Watchdog Presence tech 6813/(11)-xx(-101).
Operation also possible via conventional push buttons (2020 US, 2021/6 UK).
For LED control via control gears
Without control cover.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated power: 700 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1



6550U-1 01-500 6550-0-0042 1

- 1) Non-illuminable.
2) with integrated dimming-current limiter

Product	Article-No.	Order-No.	Pack/Qty
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Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U/UF.

Busch-Duro 2000® SI

212 white **6435-212** 6430-0-0285 10/100

214 alpine white **6435-214** 6430-0-0286 10/100



Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U/UF.

alpha exclusive®

22G ivory **6435-22G** 6430-0-0293 10

24G studio white **6435-24G** 6430-0-0295 10

233 amber 1) **6435-233** 6430-0-0287 10

255 obsidian 1) **6435-255** 6430-0-0288 10

260 palladium 1) **6435-260** 6430-0-0289 10

266 titanium 1) **6435-266** 6430-0-0290 10

alpha nea®

20 platinum 1) **6435-20** 6430-0-0291 10

21 bronze 1) **6435-21** 6430-0-0292 10

22G ivory **6435-22G** 6430-0-0293 10

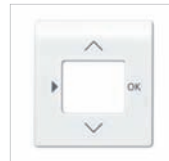
24 studio white **6435-24** 6430-0-0294 10/100

24G studio white **6435-24G** 6430-0-0295 10

26 brown 1) **6435-26** 6430-0-0296 10

28 hansa blue 1) **6435-28** 6430-0-0297 10

- 1) Surface painted.
*) Phase-out type



Cover plate
For Comfort timer control element 6455.
For Standard timer control element 6456.
For room temperature controller 1098 U/UF.

impuls

71 brilliant black 1) **6435-71** 6430-0-0299 10

72 ivory **6435-72** 6430-0-0341 10


74 alpine white **6435-74** 6430-0-0300 10

79 champagne metallic 1) **6435-79** 6430-0-0302 10

777 blackberry **6435-777** 6430-0-0347 10

783 aluminium silver 1) **6435-783** 6430-0-0342 10

- 1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Comfort timer control element 6455. For Standard timer control element 6456. For room temperature controller 1098 U/UF.		
	future®		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
89 stone/lightgrey *)	6435-89	6430-0-0311	10
	future® | inear		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
83 aluminiumsilver *)	6435-83	6430-0-0305	10
84 davos/studio white	6435-84	6430-0-0306	10
89 stone/lightgrey *)	6435-89	6430-0-0311	10
	solo®		
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
85 manhattan/graphite *)	6435-85	6430-0-0307	10
86 samoa/light green *)	6435-86	6430-0-0308	10
87 toscana/purple	6435-87	6430-0-0309	10
88 attica/pigeon blue *)	6435-88	6430-0-0310	10
803 meteor/grey metallic	6435-803	6430-0-0351	10
815 sahara/yellow	6435-815	6430-0-0349	10
	Busch-axcent®		
84 davos/studio white	6435-84	6430-0-0306	10
	carat®		
81 anthracite *)	6435-81	6430-0-0303	10
82 savanna/ivory white	6435-82	6430-0-0304	10
84 davos/studio white	6435-84	6430-0-0306	10
	pure stainless steel		
866 stainlesssteel	6435-866	6430-0-0344	10


1) Surface painted.
*) Phase-out type



Cover plate
For Memory control element 6457.

Busch-Duro 2000®SI

212 white	1773J A-212	1724-0-2281	10
	Reflex SI		
214 alpinewhite	1773J A-214	1724-0-2299	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
	alpha exclusive®		
22G ivory	1773 JA-22G	1724-0-2539	10
24G studio white	1773 JA-24G	1724-0-2364	10
233 amber *)	1773 JA-233	1724-0-2799	10
255 obsidian *)	1773 JA-255	1724-0-2804	10
260 palladium *)	1773 JA-260	1724-0-2789	10
266 titanium *)	1773 JA-266	1724-0-2794	10
	alpha nea®		
20 platinum *)	1773 JA-20	1724-0-2331	10
21 bronze *)	1773 JA-21	1724-0-2349	10
22G ivory	1773 JA-22G	1724-0-2539	10
24 studio white	1773 JA-24	1724-0-2356	10
24G studio white	1773 JA-24G	1724-0-2364	10
26 brown *)	1773 JA-26	1724-0-2866	10
28 hansa blue *)	1773 JA-28	1724-0-2398	10

1) Surface painted.
*) Phase-out type




Cover plate
For Memory control element 6457.

impuls


71 brilliant black *)	1773 JA-71	1724-0-2414	10
72 ivory	1773 JA-72	1724-0-4265	10
74 alpine white	1773 JA-74	1724-0-2422	10
79 champagne metallic *)	1773 JA-79	1724-0-2455	10
777 blackberry	1773 JA-777	1724-0-4285	10
83 aluminium silver *)	1773 JA-783	1724-0-4266	10


1) Surface painted.
*) Phase-out type




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Memory control element 6457.		
	future®		
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
85 manhattan/graphite *)	1773J A-85	1724-0-2762	10
89 stone/lightgrey *)	1773J A-89	1724-0-2829	10
	future®| inear		
81 anthracite *)	1773J A-81	1724-0-4251	10
82 savanna/ivory white	1773J A-82	1724-0-2757	10
83 aluminiumsilver *)	1773J A-83	1724-0-4260	10
84 davos/studio white	1773J A-84	1724-0-2760	10
89 stone/lightgrey *)	1773J A-89	1724-0-2829	10
	solo®		
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
85 manhattan/graphite *)	1773J A-85	1724-0-2762	10
86 samoa/light green *)	1773J A-86	1724-0-2765	10
87 toscana/purple	1773J A-87	1724-0-2768	10
88 attica/pigeon blue *)	1773J A-88	1724-0-2771	10
803 meteor/grey metallic	1773J A-803	1724-0-4290	10
815 sahara/yellow	1773J A-815	1724-0-4287	10
	Busch-axcent®		
84 davos/studio white	1773J A-84	1724-0-2760	10
	carat®		
81 anthracite *)	1773J A-81	1724-0-4251	10
82 savanna/ivory white	1773J A-82	1724-0-2757	10
84 davos/studio white	1773J A-84	1724-0-2760	10
	pure stainless steel		
866 stainlesssteel	1773J A-866	1724-0-4269	10


1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Short-time timer insert Countdown timer		
	For time-programmed switching of electrical consumers. With control cover, without cover plate. Minimum timer time: 1 second. Maximum timer time: 9:59:59 hours. Power reserve: 12 hr. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 1x Normally open contact Rated current: 10 A, cos 0.5 Rated power: 2300 VA Temperature range (Device): 0 °C to 35 °C IEC 60669-2-1, British Standard EN 60669-2-1		
	6465 U	6410-0-0278	1/10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
	Busch-Duro 2000® SI		
212 white	1773-212	1753-0-1886	10
	Reflex SI		
214 alpine white	1773-214	1724-0-2117	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
	alpha exclusive®		
22G ivory	1773-22G	1724-0-2521	10
24G studio white	1773-24G	1724-0-2182	10
233 amber *)	1773-233	1724-0-2800	10
255 obsidian *)	1773-255	1724-0-2805	10
260 palladium *)	1773-260	1724-0-2790	10
266 titanium *)	1773-266	1724-0-2795	10
	alpha nea®		
20 platinum *)	1773-20	1724-0-2158	10
21 bronze *)	1773-21	1724-0-2166	10
22G ivory	1773-22G	1724-0-2521	10
24 studio white	1773-24	1724-0-2174	10
24G studio white	1773-24G	1724-0-2182	10
26 brown *)	1773-26	1724-0-2868	10
28 hansa blue *)	1773-28	1724-0-2216	10


1) Surface painted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U.		
	impuls		
71 brilliant black *)	1773-71	1724-0-2232	10
72 ivory	1773-72	1724-0-4267	10
74 alpine white	1773-74	1724-0-2240	10
79 champagne metallic *)	1773-79	1724-0-2273	10
777 blackberry	1773-777	1724-0-4286	10
83 aluminium silver *)	1773-783	1724-0-4268	10


1) Surface painted.
*) Phase-out type


Busch-Short-time timer (Countdown-Timer)




Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. future®		
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
85 manhattan/graphite *)	1773-85	1753-0-9909	10
89 stone/lightgrey *)	1773-89	1753-0-9910	10
	future® linear		
81 anthracite *)	1773-81	1753-0-9906	10
82 savanna/ivory white	1773-82	1753-0-9907	10
83 aluminiumsilver *)	1773-83	1753-0-0030	10
84 davos/studio white	1773-84	1753-0-9908	10
89 stone/lightgrey *)	1773-89	1753-0-9910	10
	solo®		
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
85 manhattan/graphite *)	1773-85	1753-0-9909	10
	Busch-axcent®		
84 davos/studio white	1773-84	1753-0-9908	10
	carat®		
81 anthracite *)	1773-81	1753-0-9906	10
82 savanna/ivory white	1773-82	1753-0-9907	10
84 davos/studio white	1773-84	1753-0-9908	10
	pure stainless steel		
866 stainlesssteel	1773-866	1753-0-0103	10
	1) Surface painted. *) Phase-out type		

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. Busch-Duro 2000®SI		
212 white	1773/10-212	1724-0-2547	10
	Reflex SI		
214 alpinewhite	1773/10-214	1724-0-2554	10/100

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. alpha exclusive®		
22G ivory	1773/10-22G	1724-0-2695	10
24G studio white	1773/10-24G	1724-0-2620	10
233 amber *)	1773/10-233	1724-0-2811	10
255 obsidian *)	1773/10-255	1724-0-2812	10
260 palladium *)	1773/10-260	1724-0-2809	10
266 titanium *)	1773/10-266	1724-0-2810	10
	alpha nea®		
20 platinum *)	1773/10-20	1724-0-2596	10
21 bronze *)	1773/10-21	1724-0-2604	10
22G ivory	1773/10-22G	1724-0-2695	10
24 studio white	1773/10-24	1724-0-2612	10
24G studio white	1773/10-24G	1724-0-2620	10
26 brown *)	1773/10-26	1724-0-2867	10
28 hansa blue *)	1773/10-28	1724-0-2653	10
	1) Surface painted. *) Phase-out type		


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For Busch-Short-time timer insert 6465 U. Only Start/Stop button can be operated. future®		
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
85 manhattan/graphite *)	1773/10-85	1753-0-9915	10
89 stone/light grey *)	1773/10-89	1753-0-9916	10
	future® linear		
81 anthracite *)	1773/10-81	1753-0-9911	10
82 savanna/ivory white	1773/10-82	1753-0-9912	10
83 aluminium silver *)	1773/10-83	1753-0-0031	10
84 davos/studio white	1773/10-84	1753-0-9914	10
89 stone/light grey *)	1773/10-89	1753-0-9916	10
	solo®		
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
85 manhattan/graphite *)	1773/10-85	1753-0-9915	10
	Busch-axcent®		
84 davos/studio white	1773/10-84	1753-0-9914	10
	carat®		
81 anthracite *)	1773/10-81	1753-0-9911	10
82 savanna/ivory white	1773/10-82	1753-0-9912	10
84 davos/studio white	1773/10-84	1753-0-9914	10
	pure stainless steel		
866 stainless steel	1773/10-866	1753-0-0104	10
	1) Surface painted. *) Phase-out type		




Product	Article-No.	Order-No.	Pack/Qty
	Time switch mechanism 16 A 1) DP, break contact for staircases, exterior lighting, fans, etc. Running time: 15 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1070U	1043-0-0025	1/10

1) Forscre w-fixingonl y


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary knob, with marking. For Busch-Timer® insert 1070 U. Running time: 15 min Busch-Duro 2000®SI		
212 white	1770-212-102	1753-0-6059	10
	Reflex SI		
214 alpinewhi te	1770-214-102	1753-0-6158	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch-Timer® insert 1070 U. Running time: 15 min <i>alpha nea</i> ®		
20 platinum 1)	1770-20-101	1753-0-6075	10
21 bronze 1)	1770-21-101	1753-0-6083	10
22G ivory	1770-22G-101	1710-0-2397	10
24 studiowhi te	1770-24-101	1753-0-6091	10
24G studiowhi te	1770-24G-101	1753-0-7446	10
26 brown *)	1770-26-101	1753-0-0014	10
28 hansabl ue *)	1770-28-101	1753-0-7461	10

1) Surface painted.
*) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch-Timer® insert 1070 U. Running time: 15 min impuls		
71 brilliantbl ack *)	1770-71	1753-0-0250	10
72 ivory	1770-72	1753-0-0057	10
74 alpinewhi te	1770-74	1753-0-4906	10
79 champagne metallic 1)	1770-79	1753-0-5382	10
777 blackberry	1770-777	1753-0-0117	10
783 aluminiumsi lver 1)	1770-783	1753-0-0058	10

1) Surface painted.
*) Phase-outt ype


Product	Article-No.	Order-No.	Pack/Qty
	Time switch mechanism 16 A 1) DP, break contact for staircases, exterior lighting, fans, etc. Running time: 120 min For time-programmed switching of electrical consumers. Rated voltage: 230 V~, +10 % / -10 % Rated current: 16 A, cos 0.25		
	1071U	1043-0-0124	1

1) Forscre w-fixingonl y

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary knob, with marking. For Busch-Timer® insert 1071 U. Running time: 120 min Busch-Duro 2000® SI		
212 white	1771-212-102	1753-0-6208	10
	Reflex SI		
214 alpine white	1771-214-102	1753-0-6307	10

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch-Timer® insert 1071 U. Running time: 120 min <i>alpha nea</i> ®		
20 platinum 1)	1771-20-101	1753-0-6224	10
21 bronze 1)	1771-21-101	1753-0-6232	10
22G ivory	1771-22G-101	1710-0-2405	10
24 studio white	1771-24-101	1753-0-6240	10
24G studio white	1771-24G-101	1753-0-7479	10
26 brown *)	1771-26-101	1753-0-0015	10
28 hansa blue *)	1771-28-101	1753-0-7495	10

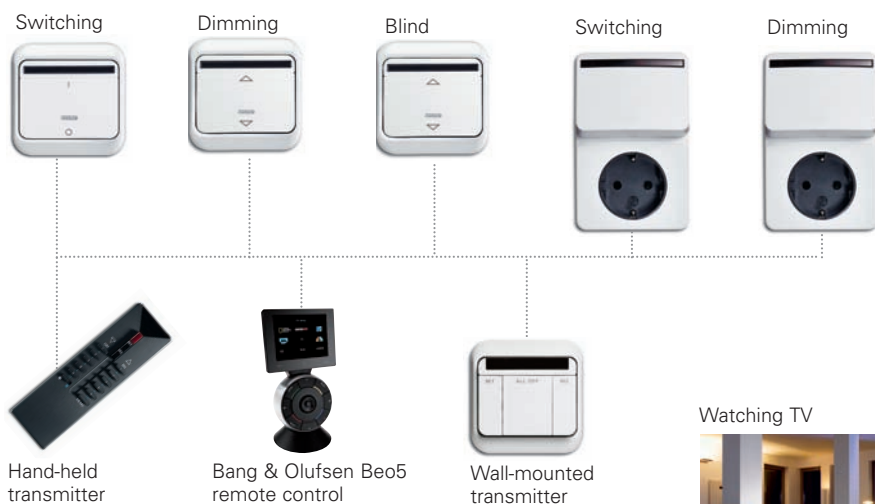
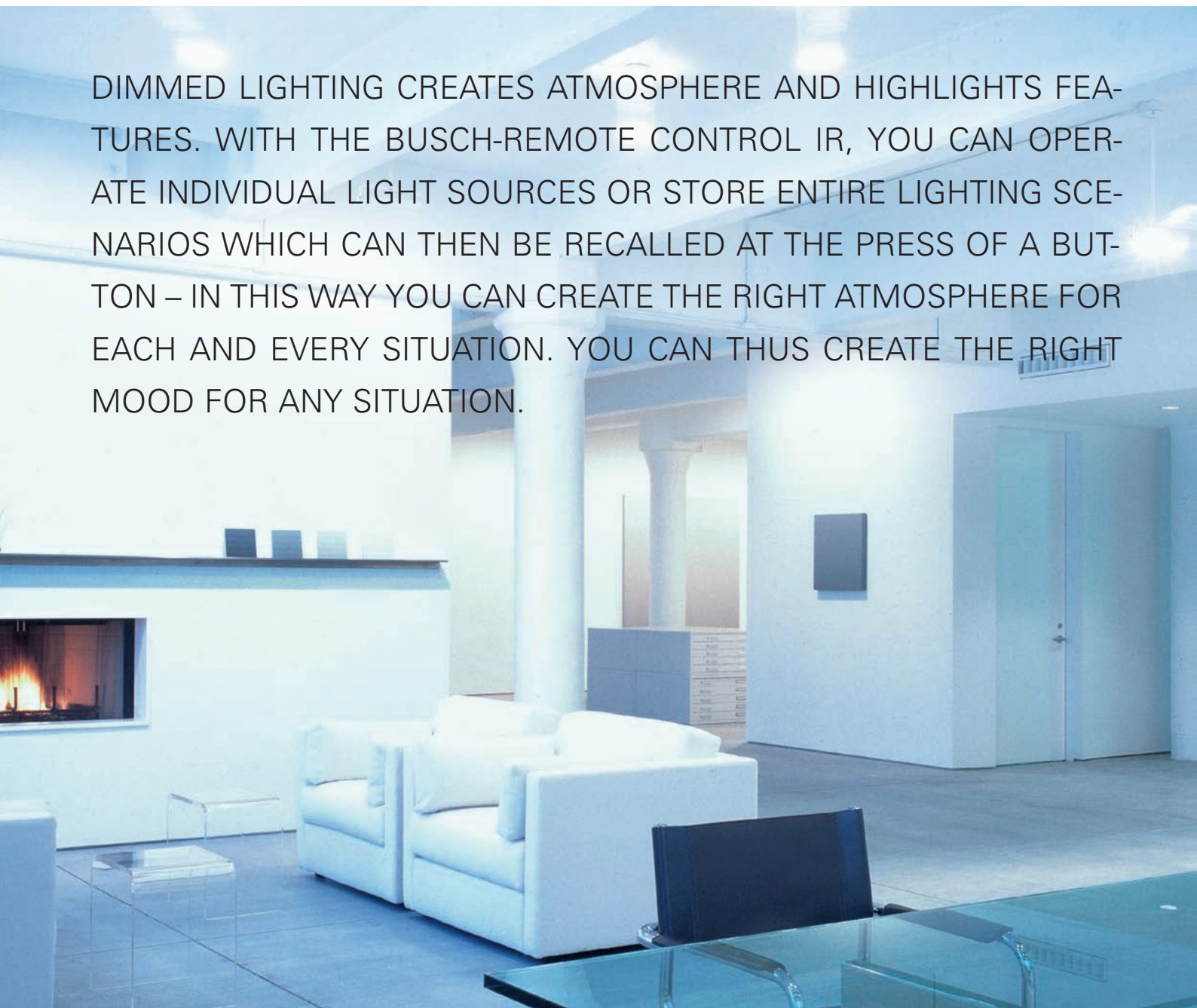
1) Surface painted.
*) Phase-outt ype

Product	Article-No.	Order-No.	Pack/Qty
	Cover plate With rotary control, with marking For Busch-Timer® insert 1071 U. Running time: 120 min impuls		
71 brilliant black *)	1771-71	1753-0-0342	10
72 ivory	1771-72	1753-0-0059	10
74 alpine white	1771-74	1753-0-4914	10
79 champagne metallic 1)	1771-79	1753-0-5390	10
777 blackberry	1771-777	1753-0-0118	10
783 aluminium silver 1)	1771-783	1753-0-0061	10

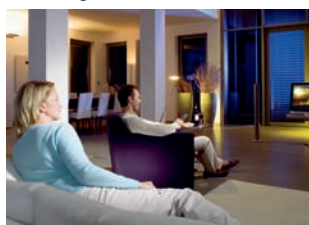
1) Surface painted.
*) Phase-outt ype

Ambient lighting in the
twinkle of an eye.

DIMMED LIGHTING CREATES ATMOSPHERE AND HIGHLIGHTS FEATURES. WITH THE BUSCH-REMOTE CONTROL IR, YOU CAN OPERATE INDIVIDUAL LIGHT SOURCES OR STORE ENTIRE LIGHTING SCENARIOS WHICH CAN THEN BE RECALLED AT THE PRESS OF A BUTTON – IN THIS WAY YOU CAN CREATE THE RIGHT ATMOSPHERE FOR EACH AND EVERY SITUATION. YOU CAN THUS CREATE THE RIGHT MOOD FOR ANY SITUATION.



Watching TV



Celebrating





Busch-Remote control IR hand-held transmitter

Materials: Thermoplastic cover (PC),
impact-proof and fracture-resistant,
UV-resistant, free of PVC and halogen.

IR remote control	394
FM inserts	394
IR control elements	496



Overview

Busch-Remote control.

As easily and conveniently as you can change the channels of your TV with a remote control, you can also control the various lights, blinds, and awnings in your living areas. At the press of a button, you can switch and dim the lighting and no longer have to operating switch after individual switch. In the process, the possibility to control your blinds in this manner is unique.



Remote control

The Busch-Remote control IR remote control is the heart of the system. It lets you trigger all functions of the system as required. In practice, this means the individual switching and dimming of the installed Busch-Remote control IR receiver. Using the memo function (Memo 1/Memo 2), you can save special light situations and call them at the press of a button at any time.

Wall-mounted transmitter

The ideal supplement to the remote control is the Busch-Remote control IR wall-mounted transmitter as a central control element. Independent of the mains and attachable to any point in the room, including the window pane, it controls the memo function or individual consumers and makes sure the consumers are switched off safely (EVERYTHING OFF) when everyone leaves the room. Available in the colours of the *alpha nea*® switch range.

FM dimmer

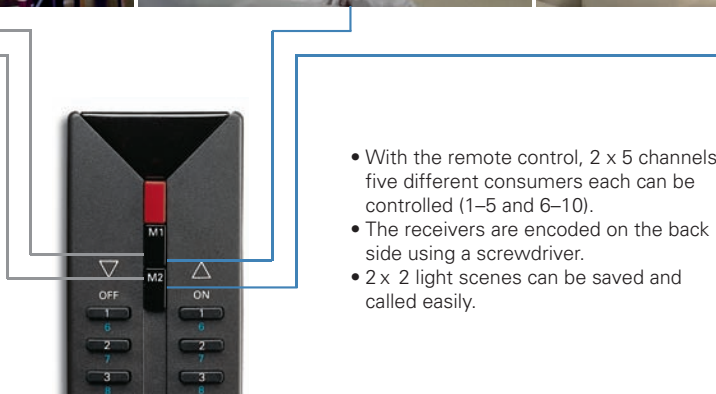
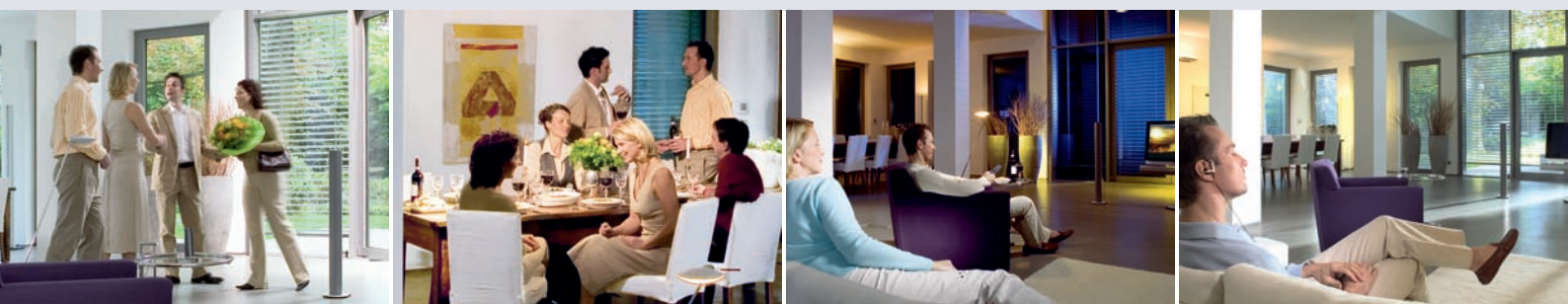
With the Busch-Remote control IR universal dimmer, outputs up to 420 W can be dimmed without a problem. In the process, the dimmer allows the connection of 230 V incandescent and halogen lamps, as well as low-voltage halogen lamps with conventional or electronic transformers due to its intelligent control system. The memory function saves the value of the last saved brightness.

FM switch

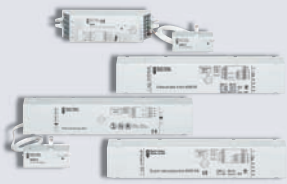
Wherever high outputs have to be controlled, the Busch-Remote control IR FM switch does the job. With a switching capacity of 2,300 W/VA, even large plants have sufficient reserves. Using the memory function, any two switching states can be saved and called as required.

Dimmer plug unit

With the Busch-Remote control IR dimmer plug unit, you can connect mobile consumers without extensive installation. Suited for incandescent lamps up to 400 W and low-voltage halogen lamps up to 300 VA. With memory and memo function for any brightness values on call. A design with switch contact is available for the control of any consumers up to connected loads of 2,300 W.



- With the remote control, 2 x 5 channels for five different consumers each can be controlled (1–5 and 6–10).
- The receivers are encoded on the back side using a screwdriver.
- 2 x 2 light scenes can be saved and called easily.












Built-in receiver

Separate receiver versions are available for direct lamp installation. A combination with an additional ECG (1–10 V), for example, permits the dimming of fluorescent lamps.

The IP receiver of Busch-Jaeger can also be controlled using the Beo5 remote control of Bang & Olufsen (after the remote control is programmed by a Bang & Olufsen dealer).

In this way, it is possible to control both video and audio sources and execute room functions like switching, dimming, and moving blinds.

Depth of product range IR remote control	Switching	Dimming	Dimming 0–10 V	Blind
Flush mounting				
	Busch-Universal relay insert 6401 U-102	Universal central dimmer insert 6593	Busch-Memory touch-type controller 6550 U-101	Busch-Blind control insert 6411 U-101 6411 U/S-101
	Busch-Remote control IR control element 6067-xx-102	Busch-Remote control IR control element 6066-xx-102	Busch-Remote control IR control element 6066-xx-102	IR control element 6066-xx-102
Installation		–		
	IR receiver 4-channel 6056 EB	–	IR dimmer 0–10 V 6045	Busch-Blind control II built-in unit 6420 EB +
	IR built-in receiver 6045 E-101	–	–	IR Built-in receiver 6045 E-101
Adapter plug			–	–
	IR switch 6080-24	IR dimmer 6070-24	–	–



Product	Article-No.	Order-No.	Pack/Qty
	IR remote control 1) 2) Battery-supplied infrared remote control. For infrared receiver (60xx). for Busch Watchdog Presence tech (6813/11), For Busch-priOn® Top end strip with IR receiver and proximity sensor (6350-825) For KNX sensors with infrared interface (632x-xxx, 6129-xx, and 6135-xxx). For switching/dimming up to 10 loads in 2 groups (1-5 / 6-10). Programming and selection of 2 MEMO memories pos- sible per group. Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery. Range: 15 m Rated voltage: 6 V-		
	6010-25-500	6020-0-1133	1

1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 2) Except 6321- and 6326-101.

	IR Wall-Mounted Transmitter 1) 2) 3) Battery-supplied infrared remote control. For infrared receiver and KNX flush-mounted infrared in- terfaces 6129-xxx-101, 6135-xx, and 632x-xxx (selection of 2 memo functions for each address group and ALL OFF). Address group switch-over (1-5/6-10) Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) Range: 15 m <i>alpha nea®</i>		
	20 platinum 4) 21 bronze 4) 24 studiowhi te 24G studiowhi te 28 hansabl ue *)	6020-20 6020-21 6020-24-500 6020-24G-500 6020-28	6020-0-0036 6020-0-0044 6020-0-1281 6020-0-1299 6020-0-1018

1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
 2) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 3) Except 6321- and 6326-101.
 4) Surface painted.
 *) Phase-out type

	IR Wall-Mounted Transmitter 1) 2) 3) 1-channel Battery-supplied infrared remote control. For infrared reception and KNX flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group). Range: 15 m Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery) <i>alpha nea®</i>		
	20 platinum 3) 21 bronze 3) 24 studiowhi te 24G studiowhi te 28 hansabl ue *)	6021-20 6021-21 6021-24-500 6021-24G-500 6021-28	6020-0-0754 6020-0-0762 6020-0-1315 6020-0-1307 6020-0-0879


1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
 2) Except 6321- and 6326-101.
 3) Surface painted.
 *) Phase-out type


	Fixing Bracket For wall-mounted transmitter 6020-.../6021-... For commercially available flush-mounted boxes.		
	6090	6099-0-0014	10

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Universal relay switch insert 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 1x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1		
	6401 U-102-500	6401-0-0049	1/10


	Busch-Universal relay switch insert 1) max. 1270 W/VA 10 AX 3 wire connection (neutral conductor required). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog 180 FP sensor for All Weather 44® 6800-3x-102C. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Comfort timer control element 6455. For Busch-Remote control IR control cover 6067-xxx-10x. For control cover with control lamp 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 127 V~ Rated frequency: 60 Hz Outputs: 1x Normally open contact, potential-bound Rated current: 10 AX Temperature range (Device): -25 °C to 55 °C British Standard EN 60669-2-1		
	6401 U-102-127-500	6401-0-0050	1/10

1) Combinable with sensors 6810-xxx-101 / 6800-xxx-10x (M).

Product	Article-No.	Order-No.	Pack/Qty	
	Busch Universal 2gang 1way insert 3 wire connection (neutral conductor required). For the serial switch operating mode: 2 separate outputs, 2 separate extension inputs. For operation mode time switch: Output 1 (e.g. illumination), Output 2: switch-on/off delayed, dependent on output 1 (e.g. fan control). For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For control cover 6430-xxx-10x and 6543-xxx-10x. Combinable with Busch Watchdog extension insert 6805 U. Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential-bound Suitable for: 230 V incandescent lamps, 230 V halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Rated current: 10 AX Rated power: 2300 W/VA Temperature range (Device): 0 °C to 35 °C British Standard EN 60669-2-1 ☼ ⏸ ⏹ ⏺ ⏻			
	6402U-50 0	6401-0-0051	1/10	

	Busch-Universal master dimmer Insert ^{1) 2) 3)} with light-level memory and intelligence for universal operation Selectable Soft-ON/OFF function and memory function. Capacity expansion via output-side, parallel connectable load line with a power module 6594 U up to 735 W/VA possible. For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Short-circuit protected, overload-protected. With push switch operation. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 60 - 420 W/VA IEC 60669-2-1, British Standard EN 60669-2-1 RLC ☼ ⏸ ⏹ ⏺ ⏻			
	6593U-50 0	6590-0-0171	1/10	

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) In case of electronic transformers, 5 % transformer losses.
3) In conjunction with 6800-xxx-104 (M) a Soft Off can be adjusted.


Product	Article-No.	Order-No.	Pack/Qty	
	Busch-Memory touch-type controller ^{1) 2)} 3 wire connection (neutral conductor required). For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. For control cover with control lamp 6543-xxx-10x. For Busch-Remote control IR control cover 6066-xxx-10x and 6067-xxx-10x. For Comfort timer control element 6455. For Busch Watchdog 180 flush mounted Sensor Standard 6810-21x-101. For Busch Watchdog 180 flush mounted sensor Comfort II 6800-xxx-104 and 6800-xxx-104M. For Busch Watchdog Presence tech 6813/(11)-xx(-101). Operation also possible via conventional push buttons (2020 US, 2021/6 UK). For LED control via control gears Without control cover. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 700 W/VA IEC 60669-2-1, British Standard EN 60669-2-1 ☼			
	6550 U-101-500	6550-0-0042	1	

1) Non-illuminable.
2) with integrated making-current limiter


	Busch-Blind control switch insert ^{1) 2)} Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. With operating mode switch for the following modes: normal, louvre, base station, position. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C			
	6411 U-101	6410-0-0377	1/10	


1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.



Product	Article-No.	Order-No.	Pack/Qty
	Busch-Blind control switch insert ^{1) 2)} Suitable for blind, roller blind and awning drives with mechanical or electronic limit switch shut-off. With two 230 V multi-way input terminals (Up/Down) for group control. Connection possibility for brightness sensor 6414-101 and glass break detector 6413. With operating mode switch for the following modes: normal, louvre, base station, position, awning. With party function (disables the local control unit) in combination with Busch-Blind control II control cover 6430-xx-xxx, 6066-xx-xxx. Wind alarm, cleaning functions can be accommodated via extension input. For control cover 6430-xx-xxx. For IR control cover 6066-xx-xxx. For Comfort timer control element 6455. Running time: 3 min Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact Rated current: 3 A, cos 0.5 Rated power: 690 VA Control/Signal outputs: 2 Temperature range (Device): 0 °C to 35 °C		
	6411 U/S-500-101	6410-0-0380	1/10

1) Suitable for multi-phase operation.
2) Compatible with types 6411 U/x.

Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	<i>alpha exclusive[®]</i>		
22G ivory	6066-22G-102	6020-0-1318	1/10
24G studiowhite	6066-24G-102	6020-0-1320	1/10
233 amber ¹⁾	6066-233-102	6020-0-1363	1/10
255 obsidian ¹⁾	6066-255-102	6020-0-1364	1/10
260 palladium ²⁾	6066-260-102	6020-0-1365	1/10
266 titanium ²⁾	6066-266-102	6020-0-1366	1/10
	<i>alpha nea[®]</i>		
20 platinum ²⁾	6066-20-102	6020-0-1316	10
21 bronze ²⁾	6066-21-102	6020-0-1317	1/10
22G ivory	6066-22G-102	6020-0-1318	1/10
24 studiowhite	6066-24-102-500	6020-0-1371	1
24G studiowhite	6066-24G-102-500	6020-0-1372	1
28 hansablue ¹⁾	6066-28-102	6020-0-1323	10

Product	Article-No.	Order-No.	Pack/Qty
	<i>impuls</i>		
71 brilliantblack ¹⁾	6066-71-101	6020-0-1042	1
72 ivory	6066-72-101	6020-0-1385	1
74 alpinewhite	6066-74-101-500	6020-0-1190	1
79 champagne metallic ²⁾	6066-79-101	6020-0-0606	1
777 blackberry	6066-777-101	6020-0-1391	1
783 aluminiumsilver ²⁾	6066-783-101	6020-0-1386	1

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	IR control element ¹⁾ With marking, illuminated For Busch-Universal master dimmer insert 6593 U. For Busch-Blind control II insert 6411 U-101, 6411 U/S-101. For Busch Universal 2gang 1way insert 6402 U. for Busch-Universal touch-type controller 6550 U-101 Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.		
	future [®]		
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
85 manhattan/graphite ¹⁾	6066-85	6020-0-1336	10/10
89 stone/light grey ¹⁾	6066-89	6020-0-1361	1/10
	future [®] linear		
81 anthracite ¹⁾	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
83 aluminium silver ²⁾	6066-83	6020-0-1383	1/10
84 davos/studio white	6066-84	6020-0-1334	1/10
89 stone/light grey ¹⁾	6066-89	6020-0-1361	1/10
	solo [®]		
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
85 manhattan/graphite ¹⁾	6066-85	6020-0-1336	10/10
86 samoa/light green ¹⁾	6066-86	6020-0-1338	1/10
87 toscana/purple	6066-87	6020-0-1340	1/10
88 attica/pigeon blue ¹⁾	6066-88	6020-0-1342	1
803 meteor/grey metallic	6066-803	6020-0-1395	1/10
815 sahara/yellow	6066-815	6020-0-1393	1/10
	Busch-axcent [®]		
84 davos/studio white	6066-84	6020-0-1334	1/10
	carat [®]		
81 anthracite ¹⁾	6066-81	6020-0-1379	1/10
82 savanna/ivory white	6066-82	6020-0-1332	10/10
84 davos/studio white	6066-84	6020-0-1334	1/10
	pure stainless steel		
866 stainless steel	6066-866	6020-0-1389	1/10

1) Touch-type Controller 6550 U-xxx non-illuminable
2) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**IR control element
With marking, illuminated**
For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

alpha exclusive®

22G ivory	6067-22G-102	6020-0-1326	10
24G studiowhi te	6067-24G-102	6020-0-1328	1/10
233 amber *)	6067-233-102	6020-0-1367	1/10
255 obsidian *)	6067-255-102	6020-0-1368	1/10
260 palladium *)	6067-260-102	6020-0-1369	1/10
266 titanium *)	6067-266-102	6020-0-1370	1/10

alpha nea®

20 platinum *)	6067-20-102	6020-0-1324	10
21 bronze *)	6067-21-102	6020-0-1325	10
22G ivory	6067-22G-102	6020-0-1326	10
24 studiowhi te	6067-24-102-500	6020-0-1373	1
24G studiowhi te	6067-24G-102-500	6020-0-1374	1
28 hansabl ue *)	6067-28-102	6020-0-1331	10



impuls

72 ivory	6067-72-101	6020-0-1387	1
74 alpinewhi te	6067-74-101-500	6020-0-1224	1
79 champagne metallic *)	6067-79-101	6020-0-0986	1
777 blackberry	6067-777-101	6020-0-1392	1
783 aluminiumsi lver *)	6067-783-101	6020-0-1388	1

1) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**IR control element
With marking, illuminated**
For Busch-Universal relay switch insert 6401 U-10x and Busch Universal 2gang 1way insert 6402 U.
Manual operation on-site and remote control via IR remote control (6010-25) or wall-mounted transmitter (6020-xx/6021-xx) possible.

future®

82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
85 manhattan/graphite *)	6067-85	6020-0-1337	1
89 stone/light grey *)	6067-89	6020-0-1362	1

future® linear

81 anthracite *)	6067-81	6020-0-1380	1/10
82 savanna/ivory white	6067-82	6020-0-1333	1
83 aluminium silver *)	6067-83	6020-0-1384	1/10
84 davos/studio white	6067-84	6020-0-1335	1
89 stone/light grey *)	6067-89	6020-0-1362	1

solo®

82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1
85 manhattan/graphite *)	6067-85	6020-0-1337	1
86 samoa/light green *)	6067-86	6020-0-1339	1
87 toscana/purple	6067-87	6020-0-1341	1
88 attica/pigeon blue *)	6067-88	6020-0-1343	1
803 meteor/grey metallic	6067-803	6020-0-1396	1/10
815 sahara/yellow	6067-815	6020-0-1394	1/10

Busch-axcent®

84 davos/studio white	6067-84	6020-0-1335	1
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carat®

81 anthracite *)	6067-81	6020-0-1380	1/10
82 savanna/ivory white	6067-82	6020-0-1333	1
84 davos/studio white	6067-84	6020-0-1335	1

pure stainless steel

866 stainless steel	6067-866	6020-0-1390	1/10
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1) Surface painted.
*) Phase-out type





Busch-Blind control II built-in unit 1) 2)
2gang
For joint switching of 2 blind drives via a 230 V multi-way input terminal.
Additional IR remote control via IR flying receiver 6045 E-101 possible.
Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx
Rated voltage: 230 V~
Rated frequency: 50 Hz
Outputs: 4x Normally open contact
Rated current: 3 A, cos 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

6420 EB-500	6420-0-0020	1
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1) Suitable for multi-phase operation.
2) Individual operation of the blinds is possible using infrared remote control (e.g. 6010-25).

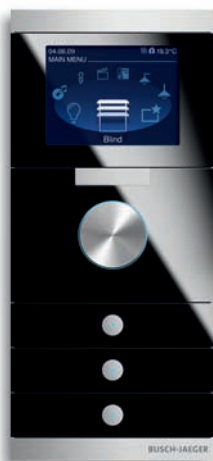


Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	IR receiver 4gang For switching 4 consumers Operation also possible via 2 conventional push buttons (2020 US/2021/6 US). Central disablement of all outputs possible. Additional IR remote control via IR flying receiver 6045 E-101 possible. Control via IR mobile remote control/wall-mounted transmitter 6010-25 and 6020/21-xxx Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Outputs: 4x Normally open contact, potential-bound Rated current: 6 A, cos 1 Rated current: 3 A, cos 0.5 Temperature range (Device): 0 °C to 35 °C						
		6056EB -500	6020-0-1232	1			
	IR flying receiver 1) For controlling the built-in devices: 6420 built-in/6056 built-in. With approx. 0.5 m supply lead. Length of the linear lamp: 30 mm Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx.						
		6045 E-101-500	6020-0-1240	1			
1) Feed line cannot be extended.							
	IR dimmer 1-10 V For luminaries. For controlling ballast units for fluorescent lamps with control output 1-10 V DC, control current max. 50 mA DC. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 500 W Temperature range (Device): 0 °C to 60 °C						
		6045-500	6020-0-1265				
	IR dimmer 1) 2) with adapter plug For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer. for portable luminaires. Socket outlet ready for connection. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 20 - 400 W/VA						
24 studiowhi te	6070-24-500	6020-0-1158	1				
1) In the case of conventional transformers, take ~20% transformer loss into account. 2) Sparefuse: T 1.6 A							
	IR Switch with adapter plug For incandescent lamps, 230 V tungsten halogen lamps, fluorescent lamps and low-voltage halogen lamps, that are operated via transformers. Socket outlet ready for connection. Control only possible via hand-held or wall-mounted transmitter 6010-xx/6020-xx/6021-xx. Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Rated power: 2300 W						
24 studiowhi te	6080-24-500	6020-0-1166	1				

Completely networked
building technology.



FOR MORE THAN 10 YEARS, KNX HAS BEEN AN INTEGRAL PART OF CONTEMPORARY BUILDING MANAGEMENT AS A WORLDWIDE SYSTEM. THIS MATURE TECHNOLOGY IS POWERFUL AND FLEXIBLE, ALLOWING THE INSTALLATION OF SYSTEMS FOR EVERY BUILDING AND FOR EVERY CONCEIVABLE TASK.



Busch-priOn®, 3gang
combination, glass black

Safety is a basic requirement on every living space and a decisive prerequisite for the development of quality of life. The intelligent home control system of Busch-Jaeger goes far beyond the basic personal need for safety and inspires through innovative solutions. Completely new possibilities for expression in the staging and control of individual living

spaces thus arise. Inhabitants become designs and thus realise their own demands for safety, comfort, and energy savings.



Busch-ComfortTouch®, glass black with chrome design bar



reddot design award
best of the best 2008

As a special award,
Busch-ComfortTouch® received the
distinction "best of the best" from the
"red dot award: communication
design 2008" for its interface design.

Busch-priOn®	411
Commissioning interface/adapter	413
Touch sensors	413
Touch sensors <i>alpha</i>	419
Busch-triton®	423
Busch-Watchdog presence KNX	425
Busch-Watchdog 220 KNX ProfessionalLine	425
Busch-ComfortTouch®	426
LEAN- and SMARTtouch	427

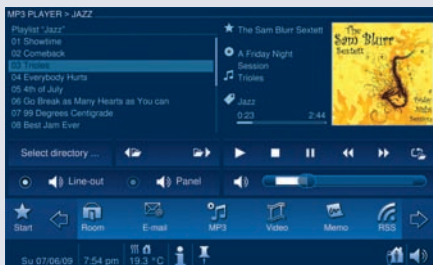
Bus coupler, FM actuator/sensor	425
Room thermostat for object zone	426
WaveLINE window sensors	427
FM universal interface	427
Thermoelectric actuators	429
Room controller	430
MDRC devices	432
Weather station	436

Busch-ComfortTouch®

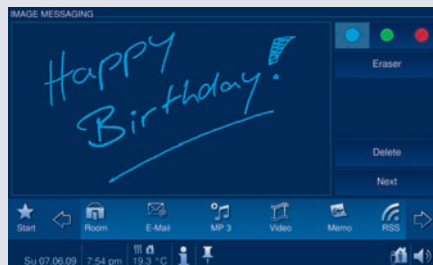
The Busch-ComfortTouch® unites the functions of a house control and an information and entertainment centre with a beautiful masterpiece. With the Busch-ComfortTouch®, you can operate or dim the lights, control your blinds, regulate the room temperature or create scenes from a combination of the functions listed – even by remote control. You can increase the security of your house through presence simulation and alarm and information messages. And if you want to know who is at the door or outside the house, then switch the camera to exterior view and you will immediately feel secure. You can also use the brilliant audio player for MP3 files and a video player to play films. You can leave voice and graphic messages for other family members, access e-mails, track up-to-date stock market news, have a look at the weather or the latest traffic reports or simply set a wake-up alarm. And all this with an intuitive touch control, supported by a novel colour coding system. You will soon certainly find you that you do not want to be without the Busch-ComfortTouch®.



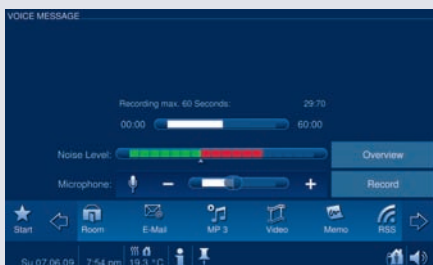
More information on the Busch-ComfortTouch® and Living Space®, such as a demo CD, video clips, and a brochure, can be found on the Internet under:
www.BUSCH-JAEGER-support.com



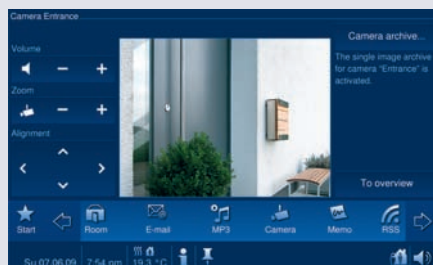
Integrated MP3 player



Graphic memo



Voice message



Video surveillance



Can be ordered at:
www.mobotix.de or www.axis.com

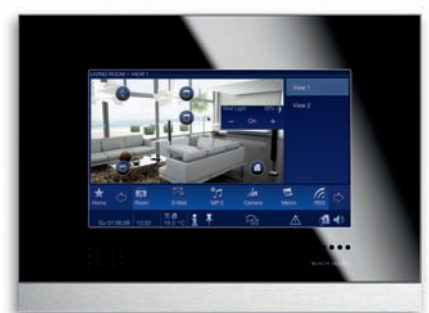
The Busch-ComfortTouch® is suited for the integration of Mobotix and a large number of Axis cameras; control functions can thus be performed without a problem.



Busch-ComfortTouch®
 Glass white, aluminium design bar

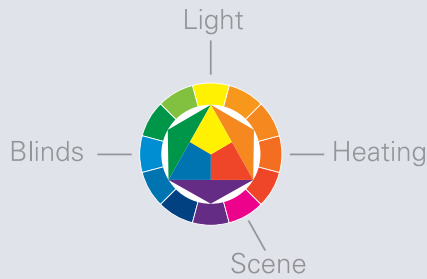


Busch-ComfortTouch®
 Glass white, chrome design bar



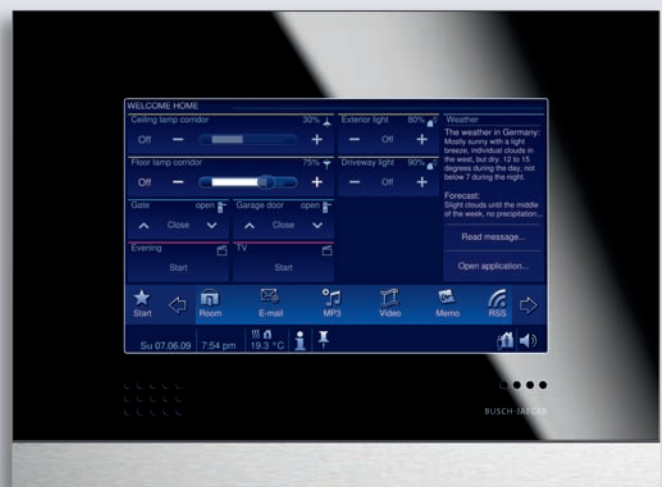
Busch-ComfortTouch®
 Glass black, aluminium design bar

Every day an individual experience



During operation, simplicity and user-friendliness always have top priority. For the user interface of its intelligent house control system, Busch-Jaeger has developed a completely new and unique colour concept. A special colour that follows simple logic has been assigned to each comfort zone:

- Lighting control is yellow like the sun
- Blind functions are blue like the sky
- Climate control functions are orange to suggest warmth
- Living scenes are magenta to suggest quality of life



Thanks to the cooperation with Bang & Olufsen, which goes back many years, the Beo4 and Beo5 remote controls can be combined with the Busch-ComfortTouch®. Many functions can be performed using the remote controls. You can also use the IR remote control of Busch-Jaeger.



Busch-ComfortTouch®
Glass black, chrome design bar



Busch-priOn®
2gang combination,
glass black

The Busch-ComfortTouch® is ideally combinable with Busch-priOn® and the carat® switch series. These switches distinguish themselves through their uniformly designed surfaces.



Infinite innovation and variety.

Further devices are constantly added, facilitating even more solutions and integrating more areas into the system. But in use the system remains simple and user-friendly.



KNX sensor pure
stainless steel
1fold control element



KNX sensor solo[®]
2fold control element



KNX sensor carat[®]
4fold control element,
multifunction



KNX sensor future[®] linear
weekly timer with 2fold
switch sensor

The 1fold, 2fold and 4fold control elements with labelling area form the basic sensor system of the KNX range. The 1fold control element is very easy to use, while the 4fold control element offers many operating possibilities in a narrow space despite the large labelling area for every rocker switch.

All control elements have the following basic equipment:

Function

- Switching
- Dimming
- Blinds
- Push-switch

Features

- Labellable rocker switches
- Anti-theft protection
- Freely programmable rockers
- Illuminated

The multifunction switch sensor is freely programmable and has additional separate light scene and valuable objects in comparison with the basic sensor system.

Additional functions

- Light scenes
- Light scene extension
- Value

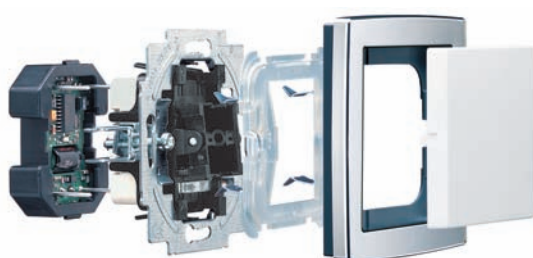
The two-channel weekly timer has an LCD on which the time and states of the two switch hands are graphically displayed.

Additional functions

- Four switching blocks per channel
- Astro function
- Random function
- Light scene extension
- Value
- Fan control

Additional features

- Manual time setting via on-site operation



Switch connection unit KNX

With the flush-mounted switch connection unit KNX, conventional switches and push-switches can be integrated into the KNX system. The unit is attached to a

conventional push-switch/switch using four contact pins, e.g. 2020 US, 2020 US-205, 2000/6 US, and 2000/5 US, via the connecting terminals. All Busch-Jaeger switch ranges (except *impuls*

and *alpha bs*) can thus be integrated into KNX.



KNX sensor *alpha exclusive*®, FM LCD display

The LCD display is used to display texts, values, and operating states. By means of the keys, functions can be activated directly and scrolling between the individual displays of the 8-line display is possible.

Functions

- 2 x 4 line display of 16 characters each
- Switch objects
- Value
- Alarm messages
- Sensor function

Features

- Backlit display
- Switching functions



KNX sensor *Busch-triton*®, 5fold control element with backlit labelling area and integrated RTC (room temperature controller), including IR reception

The control element has two operating levels. On the first level, the on-site operations are triggered. The additional key is used to access the second operating level with which the heating control can be operated.

Additional functions

- LCD for room temperature controller functions
- Comfort
- Standby
- Night operation
- Frost protection
- Heating
- Cooling
- Fan control
- Value
- Light scenes

Additional features

- Backlit labelling area
- One control element per room



KNX sensor *Busch-triton*®, 3fold control element with backlit labelling area, LCD, and IR reception



KNX sensor *Busch-triton*®, 1fold control element with backlit labelling area



KNX sensor *Busch-triton*®, 3fold control element with backlit labelling area, integrated room temperature controller without IR reception

	BE/S 4.230/24/20.1	BE/S8./230/24/20.1	US/U 2.2	US/U 4.2
General				
Inputs	4	8	2	4
Type of installation	MDRC	MDRC	FM	FM
Module width (MW)	2	4	–	–
Switch function				
Send switch value according to any edge	■	■	■	■
Send switch value according to signal length	■	■	■	■
Send switch value cyclically	■	■	■	■
Send switch value after bus voltage recovery with a delay	■	■	■	■
Dimming functionality				
Start-stop dimming, step-by-step dimming	■	■	■	■
Push-switch dimming	■	■	■	■
Blind function				
Blind operation via push-switch/switch	■	■	■	■
Blind operation via two push-switches/switches	■	■	■	■
Send values				
1-bit [0/1], 2-bit forced operation	■	■	■	■
1/2/4 bytes	■	■	■	■
With sign	■	■		
3-byte, time	■	■		
Send value after bus voltage recovery with a delay	■	■	■	■
Control scenes				
8-bit scene	■	■	■	■
Scene via separate objects	■	■	■	■
Save scene	■	■	■	■
Switching sequences				
Various sequences can be set	■	■	■	■
Integrate several push-switches in a switching sequence (actuating number)	■	■	□	□
Multiple operation				
Message for long actuation	■	■	■	■
Multiple operation can be set	■	■	■	■
Pulse counter				
Data type and threshold values can be set	■	■	■	■
Intermediate counter can be activated	■	■	■	■
Send counter reading cyclically	■	■	■	■
Manual functions				
Enable/disable manual operation	■	■		
Manual operating status	■	■		
Enable/disable manual operation button	■	■		
Channel LED can be inverted	■	■		
Special function				
Enable/disable channel	■	■	■	■
Debounce time and minimum signal duration can be set	■	■	■	■
Limit number of messages	■	■	■	■
Device sends "in use" message	■	■		
Heating valve control (electr. relay)			■	■
Actuate LEDs			■	■

■ – Function is supported.

□ – Limited support for function.

	SA/S2.16.5S SA/S4.16.5S SA/S8.16.5S SA/S12.16.5S	SA/S2.16.1 SA/S4.16.1 SA/S8.16.1	SA/S2.10.1 SA/S4.10.1 SA/S8.10.1 SA/S12.10.1	SA/S4.6.1 SA/S8.6.1 SA/S12.6.1
Outputs	2/4/8/12	2/4/8	2/4/8/12	4/8/12
Type of installation	MDRC	MDRC	MDRC	MDRC
Module width (MM)	2/4/8/12	2/4/8	2/4/8/12	2/4/6
Manual operation	■	■	■	
I _N Nominal current/A	16 AX C-load	16 A	10 AX	6 A
Current recognition	■ ¹⁾	–	–	–
Detection application program				
Switch function				
– Turn-on delay	■	■	■	■
– Turn-off delay	■	■	■	■
– Staircase lighting function	■	■	■	■
– Warning	■	■	■	■
– Staircase lighting time adjustable	■	■	■	■
– Flashing	■	■	■	■
– NO/NC contact can be set	■	■	■	■
– Threshold values	■	■	■	■
Current recognition				
– Threshold monitoring	■ ¹⁾			
– Measured value recording	■ ¹⁾			
Scene function	■	■	■	■
Logic functions				
– Logic object AND	■	■	■	■
– Logic object OR	■	■	■	■
– Logic object XOR	■	■	■	■
– Gate function	■	■	■	■
Priority object/forced operation	■	■	■	■
Heating/fan control				
– Switch on–off (two step 2-P)	■	■	■	■
– Cyclical fault monitoring	■	■	■	■
– Automatic purging	■	■	■	■
Special functions				
– Priority on bus voltage failure	■	■	■	■
– Status feedback	■	■	■	■
Switching capacity				
Switching capacity according to DIN EN 60947-4-1	AC1 16 A AC3 16 A	16 A – ³⁾	10 A 8 A	6 A 6 A
Switching capacity according to DIN EN 60669	16 AX (200 uF)	16 A (70 uF)	10 AX (140 uF)	6 A (35 uF)
Mechanical contact endurance	10 ⁶	3x10 ⁶	3x10 ⁶	10 ⁷
Electrical contact endurance according to IEC 60947-4-1				
Rated current AC1 (240 V/cos φ=0.8)	100,000	100,000	100,000	100,000
Rated current AC3 (240 V/cos φ=0.45)	30,000	–	30,000	30,000
Rated current AC5a (240 V/cos φ=0.45)	30,000	–	30,000	30,000
Incandescent lamp load	3,680 W	2,500 W	2,300 W	1,200 W
Fluorescent lamps T5/T8				
Uncompensated	3,680 W	2,500 W	2,300 W	800 W
Parallel compensation	2,500 W	1,500 W	1,500 W	300 W
DUO circuit	3,680 W	1,500 W	1,500 W	350 W
LV halogen lamps				
Inductive transformer	2,000 W	1,200 W	1,200 W	800 W
Electronic transformer	2,500 W	1,500 W	1,500 W	1,000 W
Halogen lamp 230 V	3,680 W	2,500 W	2,300 W	1,000 W
Dulux lamp				
Uncompensated	3,680 W		1,100 W	
Parallel compensation	3,000 W	1,100 W	1,100 W	
Mercury-vapour lamp				
Uncompensated	3,680 W	2,000 W	2,000 W	1,000 W
Parallel compensation	3,680 W	2,000 W	2,000 W	800 W
Max. switch-on current I _p (150 μs)	600 A	400 A	400 A	200 A
I _p (250 μs)	480 A	320 A	320 A	160 A
I _p (600 μs)	300 A	200 A	200 A	100 A
Number of electronic ballasts T5/T8 (single lamp)				
18 W (e.g. ABB ECG 1x18 CF)	26 ²⁾	23	23	10
24 W (e.g. ABB ECG-T5 1x24 C)	26 ²⁾	23	23	10
36 W (e.g. ABB ECG 1x36 CF)	22	14	14	7
58 W (e.g. ABB ECG 1x58 CF)	12 ²⁾	11	11	5
80 W (e.g. HELVA EL 1x80 SC)	12 ²⁾	10	10	3

1) Current detection for 2-channel, 4-channel, and 8-channel devices, separately per channel.
2) Limited by the B-16 automatic circuit breaker.
3) Not intended for AC3 operation


	JA/S 2.230.1	RA/S 4.230.1	JA/S 4.230/24.1	JA/S 4.230.1M	JA/S 8.230.1	JA/S 8.230.1M	6172 AG-101-500	6152 EB-101-500	6173 AG-101-500
General									
Blind outputs	2	4	4	4	8	8	1	1	2
Type of installation	MDRC	MDRC	MDRC	MDRC	MDRC	MDRC	SM	EB	SM
Module width (MW)	4	4	4	4	8	8	–	–	–
Direct functions									
Up/down/stop	■	■	■	■	■	■	■	■	■
L adjustment	■	■	■	■	■	■	■	■	■
Move to position 0 - 255	■		■	■	■	■			
Move to preset position	■		■	■	■	■			■
Set preset position	■		■	■	■	■			
Limited up/down range of movement	■		■	■	■	■			
8-bit scene	■		■	■	■	■			
Automatic functions									
Automatic sun protection mode	■		■	■	■	■			
Automatic heating/cooling mode	■		■	■	■	■			
Activation of automatic mode	■		■	■	■	■			
Enable/disable automatic mode	■		■	■	■	■			
Enable/disable direct operation	■		■	■	■	■			
Safety functions									
Wind alarm	■	■	■	■	■	■			■
Frost alarm	■		■	■	■	■			
Rain alarm	■		■	■	■	■			
Disable	■		■	■	■	■			■
Forced operation	■		■	■	■	■			
Position on bus voltage failure	■	■	■	■	■	■			■
Position on bus voltage recovery	■	■	■	■	■	■			
Position after programming	■	■	■	■	■	■			
Status response functions									
Position status	■		■	■	■	■			
Operating status	■		■	■	■	■			
Automatic status	■		■	■	■	■			
Status byte	■		■	■	■	■			
Manual functions									
Enable/disable manual operation				■		■			
Manual operating status				■		■			
Auxiliary voltage status				■		■			
Ventilation flaps/switching mode									
Open–Close/On–Off	■		■	■	■	■	■	■	■
8-bit scene	■		■	■	■	■			
Staircase lighting	■		■	■	■	■			

*See Chapter 6 "Outputs."


Important:

One or more application programs are available for each product. Various functions can be implemented with each application program. The tables shown here are intended as a guide for easier planning. It should be noted that in some cases, not all the functions in an application program are available at the same time.


■ – Function is supported.

Product	Article-No.	Order-No.	Pack/Qty
 <p>Flush-mounted bus coupler 1) 2) Busch-priOn® For Busch-priOn® 1-gang support frame and solo® ambient temperature controller 6124-xxx-102-500, 6128-xxx-102-500. The bus connection is effected via the enclosed bus terminal. Connections: KNX-line: Bus terminal Rated voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C</p>	6120/12-500	6120-0-0069	1


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d

 <p>Flush-mounted power bus coupler 1) 2) Busch-priOn® For Busch-priOn® support frame, 1-gang, 2-gang, and 3-gang. Power supply via separate clamp terminals, e.g. yellow/white wires in bus connection. KNX connection exclusively for bus communication. Connected via clamp terminals on the device. Connections: KNX-line: Clamp terminal Rated voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C</p>	6120/13-500	6120-0-0072	1
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- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d

 <p>Support frame, 1gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. Rotary control element (6341-xxx), 1-gang control element (6340-xxx), 3-gang control element (6342-xxx), standard top end strip (6348-xxx), standard bottom end strip (6349-xxx), top end strip with IR and proximity sensor (6350-xxx), and bottom end strip with temperature sensor (6352-xxx). For contacting with bus coupler 6120/12 and power bus coupler 6120/13. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 71 mm x 100 mm x 11 mm</p>	6346/10-500	6310-0-0082	1
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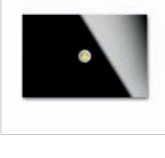
black

 <p>Support frame, 2gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. For 3.5" TFT display with rotary control element (6344-xxx), rotary control element (6341-xxx), 1-gang control element (6340-xxx), 3-gang control element (6342-xxx), standard top end strip (6348-xxx), standard bottom end strip (6349-xxx), top end strip with IR and proximity sensor (6350-xxx), and bottom end strip with temperature sensor end strip (6352-xxx). For contacting with power bus coupler 6120/13. For contacting with power mains coupler 6920/13. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 142 mm x 100 mm x 11 mm</p>	6346/11-500	6310-0-0083	1
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black


Product	Article-No.	Order-No.	Pack/Qty
 <p>Support frame, 3gang Busch-priOn® Support frame for Busch-priOn®. The individual modules are fastened to the support frame by snapping them in. For 3.5" TFT display with rotary control element (6344-xxx), rotary control element (6341-xxx), 1-gang control element (6340-xxx), 3-gang control element (6342-xxx), standard top end strip (6348-xxx), standard bottom end strip (6349-xxx), top end strip with IR and proximity sensor (6350-xxx), and bottom end strip with temperature sensor end strip (6352-xxx). For contacting with power bus coupler 6120/13. For contacting with power mains coupler 6920/13. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 213 mm x 100 mm x 11 mm</p>	6346/12-500	6310-0-0084	1

black

 <p>Control element, 1gang 1) 2) 3) Busch-priOn® Free programmable multi-function control element. For installation in the 1gang, 2gang and 3gang support frame (6346/10, 6346/11 and 6346/12) KNX functions supported by innovative colour concept on text symbols (yellow=lighting, blue=blinds, orange=thermostat, magenta=scenes and white=neutral/no function assignment) or standard red/green lighting. The accompanying symbol can be replaced by the symbols for lighting (6353/20-xxx), blinds (6353/30-xxx), Thermostat (6353/40-xxx) and scene (6353/50-xxx). Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm</p>	6340-24G-500	6310-0-0065	1
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studio white	6340-24G-500	6310-0-0065	1
glass white	6340-810-500	6310-0-0063	1
glass black	6340-825-500	6310-0-0064	1
stainless steel	6340-866-500	6310-0-0062	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.

 <p>Control element, 3gang 1) 2) 3) Busch-priOn® Free programmable multi-function control element. For installation in the 1gang, 2gang and 3gang support frame (6346/10, 6346/11 and 6346/12) KNX functions supported by innovative colour concept on text symbols (yellow=lighting, blue=blinds, orange=thermostat, magenta=scenes and white=neutral/no function assignment) or standard red/green lighting. The accompanying symbol can be replaced by the symbols for lighting (6353/20-xxx), blinds (6353/30-xxx), Thermostat (6353/40-xxx) and scene (6353/50-xxx). Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm</p>	6342-24G-500	6310-0-0073	1
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studio white	6342-24G-500	6310-0-0073	1
glass white	6342-810-500	6310-0-0071	1
glass black	6342-825-500	6310-0-0072	1
stainless steel	6342-866-500	6310-0-0070	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.

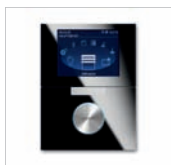
Product	Article-No.	Order-No.	Pack/Qty
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Rotary control element, 1 gang ^{1) 2) 3)}
Busch-priOn®
 Free programmable multi-function rotary control element. For installation in the 1gang, 2gang and 3gang support frame (6346/10, 6346/11 and 6346/12)
 KNX functions supported by innovative colour concept on rotary/push switch (yellow=lighting, blue=blinds, orange=thermostat, magenta=scenes and white=neutral/no function assignment) or standard red/green lighting.
 Stainless steel rotary knob
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 71 mm x 106.6 mm x 11 mm

studiowhi te	6341-24G-500	6310-0-0069	1
glasswhi te	6341-810-500	6310-0-0067	1
glassbl ack	6341-825-500	6310-0-0068	1
stainlesssteel	6341-866-500	6310-0-0066	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.



3.5" TFT colour display with rotary control element ^{1) 2) 3)}
Busch-priOn®
 Free programmable KNX 3.5" TFT colour display with rotary control element
 For installation in the 2gang and 3gang support frame (6346/11 and 6346/12)
 For the display and operation of up to 120 KNX functions (switching, dimming, blinds, etc.)
 With integrated week timer, alarm, timer, with light scene function, screensaver and control of multimedia devices (in connection with an additional device) via the KNX system. Functions can be freely labelled using customisable symbols and texts.
 KNX functions supported by defined colour display on surrounding lights of the rotary control element
 Primary function for calling up the main functions
 With status bar for display of up to 10 signals, Thermostat function and date/time
 Control element: Freely programmable control panels
 Display elements: TFT Display
 Rated voltage: 24 V-
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 142 mm x 106.6 mm x 11 mm

studiowhi te	6344-24G-500	6310-0-0077	1
glasswhi te	6344-810-500	6310-0-0075	1
glassbl ack	6344-825-500	6310-0-0076	1
stainlesssteel	6344-866-500	6310-0-0074	1

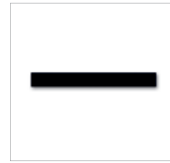
- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.



Standard top end strip
Busch-priOn®
 Top end strip for installation on 1gang to 3gang support frame (6346/10, 6346/11 and 6346/12)
 Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm

studiowhi te	6348-24G-500	6310-0-0090	1
glasswhi te	6348-810-500	6310-0-0088	1
glassbl ack	6348-825-500	6310-0-0089	1
stainlesssteel	6348-860-500	6310-0-0087	1

Product	Article-No.	Order-No.	Pack/Qty
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Top end strip with IR and proximity sensor ^{1) 2) 3)}
Busch-priOn®
 Top end strip for installation on 1gang to 3gang support frame (6346/10, 6346/11 and 6346/12)
 With integrated IR receiver for control using the Busch remote control 6010-25 or 6020-.../6121... and integrated proximity function
 Detection range 2: frontal: 0.5 m, lateral: 0.5 m
 Detection angle: 100 °
 Mounting height: 1.1 m
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm
 Position for installation: vertical

glass black	6350-825-500	6310-0-0091	1
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- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.



Bottom end strip - without script nameplate
Busch-priOn®
 Bottom end strip for installation on 1gang to 3gang support frame (6346/10, 6346/11 and 6346/12)
 Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm

studio white	6349-24G-500	6310-0-0038	1
glass white	6349-810-500	6310-0-0036	1
glass black	6349-825-500	6310-0-0037	1
stainless steel	6349-860-500	6310-0-0035	1



Bottom end strip with temperature sensor ^{1) 2) 3)}
Busch-priOn®
 Bottom end strip for installation on 1gang to 3gang support frame (6346/10, 6346/11 and 6346/12)
 Provides the value measured by the integrated temperature sensor for the 3.5" Display (6344-xxx) or the room thermostats 6124-xxx-500-10x, 6128-xxx-500-10x and 6134/10.
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 12.5 mm x 106.6 mm x 15.5 mm

stainless steel	6352-860-500	6310-0-0045	1
glass white	6352-810-500	6310-0-0046	1
glass black	6352-825-500	6310-0-0047	1
studio white	6352-24G-500	6310-0-0048	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) ETS programming only as of ETS 3.0 d
- 3) Device should only be commissioned via the commissioning interface/adaptor 6149/20 or USB/S 1.1.



Marking symbol for lighting ^{1) 2)}
 Lighting insert for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx) with "Lighting" symbol

stainless steel	6353/20-860-500	6310-0-0093	1/10
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- 1) Can only be used in 1gang and 3gang control element.
- 2) Surface painted.



Marking symbol for blinds ^{1) 2)}
 Lighting insert for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx) with "Blind" symbol

stainless steel	6353/30-860-500	6310-0-0094	1/10
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- 1) Can only be used in 1gang and 3gang control element.
- 2) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Marking symbol for room temperature ^{1) 2)} Lighting insert for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx) with "Ambient Temperature" symbol		
stainlesssteel	6353/40-860-500	6310-0-0095	1/10
1) Can only be used in 1gang and 3gang control element. 2) Surface painted.			

	Marking symbol for scene ^{1) 2)} Lighting insert for Busch-priOn® control element 1-gang (6340-xxx) and 3-gang (6342-xxx) with "Scene" symbol		
stainlesssteel	6353/50-860-500	6310-0-0096	1/10
1) Can only be used in 1gang and 3gang control element. 2) Surface painted.			

	Commissioning interface/adapter ^{1) 2)} For ABB i-bus® KNX bus coupler 6120/12,6 120/13. Local commissioning via USB connection and SD card slot. Data on SD card selected using 4 push buttons and 3-line backlit display. With integrated battery for autonomous operation for up to 8h. Battery is charged by the PC via USB cable. Control element: 4 push buttons for operation. Display elements: Multiline backlit display. Temperature range (Device): -5 °C to 45 °C		
black	6149/21-500	6133-0-0201	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) Operation only possible in combination with the commissioning tool for Busch-priOn®.			

Product	Article-No.	Order-No.	Pack/Qty
	Switch Sensor ^{1) 2) 3) 4)} 1gang touch sensor With labelling field. For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U. Control element: Switch contacts left/right. Display elements: LED for displaying the output. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C		
	future® ⁴⁾		
82 savanna/ivory white	6125-82-101	6115-0-0165	1
84 davos/studio white	6125-84-101	6115-0-0167	1/10
85 manhattan/graphite ¹⁾	6125-85-101	6115-0-0168	1
89 stone/light grey ¹⁾	6125-89-101	6115-0-0172	1
	future® linear ⁴⁾		
81 anthracite ¹⁾	6125-81-101	6115-0-0164	1
82 savanna/ivory white	6125-82-101	6115-0-0165	1
83 aluminium silver ⁵⁾	6125-83-101	6115-0-0166	1
84 davos/studio white	6125-84-101	6115-0-0167	1/10
89 stone/light grey ¹⁾	6125-89-101	6115-0-0172	1
	solo® ⁴⁾		
82 savanna/ivory white	6125-82-101	6115-0-0165	1
84 davos/studio white	6125-84-101	6115-0-0167	1/10
85 manhattan/graphite ¹⁾	6125-85-101	6115-0-0168	1
86 samoa/light green ¹⁾	6125-86-101	6115-0-0169	1
87 toscana/purple	6125-87-101	6115-0-0170	1
88 attica/pigeon blue ¹⁾	6125-88-101	6115-0-0171	1
	Busch-axcent® ⁴⁾		
84 davos/studio white	6125-84-101	6115-0-0167	1/10
	carat® ⁴⁾		
81 anthracite ¹⁾	6125-81-101	6115-0-0164	1
82 savanna/ivory white	6125-82-101	6115-0-0165	1
84 davos/studio white	6125-84-101	6115-0-0167	1/10
	pure stainless steel ^{4) 5)}		
866 stainless steel	6125-866-101	6115-0-0174	1
1) Illumination according to Arb.Stätt.V (German Workplace Ordinance). 2) See labelling sheet 1799 xx. 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear. 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 5) Surface painted. *) Phase-out type			

Product	Article-No.	Order-No.	Pack/Qty
	Switch Sensor ¹⁾ ²⁾ ³⁾ ⁴⁾ 2gang touch sensor With labelling field. For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U. Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
	future®		
82 savanna/ivory white	6126-82-101	6116-0-0155	1
84 davos/studio white	6126-84-500-101	6116-0-0163	1
85 manhattan/graphite *)	6126-85-101	6116-0-0158	1
89 stone/lightgrey *)	6126-89-101	6116-0-0162	1
	future® linear		
81 anthracite *)	6126-81-101	6116-0-0154	1
82 savanna/ivory white	6126-82-101	6116-0-0155	1
83 aluminiumsilver *)	6126-83-101	6116-0-0156	1
84 davos/studio white	6126-84-500-101	6116-0-0163	1
89 stone/lightgrey *)	6126-89-101	6116-0-0162	1
	solo®		
82 savanna/ivory white	6126-82-101	6116-0-0155	1
84 davos/studio white	6126-84-500-101	6116-0-0163	1
85 manhattan/graphite *)	6126-85-101	6116-0-0158	1
86 samoa/light green *)	6126-86-101	6116-0-0159	1
87 toscana/purple	6126-87-101	6116-0-0160	1
88 attica/pigeon blue *)	6126-88-101	6116-0-0161	1
803 meteor/grey metallic *)	6126-803-101	6116-0-0166	1
815 sahara/yellow	6126-815-101	6116-0-0165	1
	Busch-axcen®		
84 davos/studio white	6126-84-500-101	6116-0-0163	1
	carat®		
81 anthracite *)	6126-81-101	6116-0-0154	1
82 savanna/ivory white	6126-82-101	6116-0-0155	1
84 davos/studio white	6126-84-500-101	6116-0-0163	1
	pure stainless steel *)		
866 stainlesssteel	6126-866-101	6116-0-0164	1

- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
- 2) See labelling sheet 1799 xx.
- 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcen®, future®, or future® linear.
- 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Switch Sensor ¹⁾ ²⁾ ³⁾ ⁴⁾ 4gang touch sensor With labelling field. For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U. Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
	future®		
82 savanna/ivory white	6127-82-101	6117-0-0166	1
84 davos/studio white	6127-84-500-101	6117-0-0174	1/10
85 manhattan/graphite *)	6127-85-101	6117-0-0169	1
89 stone/light grey *)	6127-89-101	6117-0-0173	1
	future® linear		
81 anthracite *)	6127-81-101	6117-0-0165	1
82 savanna/ivory white	6127-82-101	6117-0-0166	1
83 aluminium silver *)	6127-83-101	6117-0-0167	1
84 davos/studio white	6127-84-500-101	6117-0-0174	1/10
89 stone/light grey *)	6127-89-101	6117-0-0173	1
	solo®		
82 savanna/ivory white	6127-82-101	6117-0-0166	1
84 davos/studio white	6127-84-500-101	6117-0-0174	1/10
85 manhattan/graphite *)	6127-85-101	6117-0-0169	1
86 samoa/light green *)	6127-86-101	6117-0-0170	1
87 toscana/purple	6127-87-101	6117-0-0171	1
88 attica/pigeon blue *)	6127-88-101	6117-0-0172	1
803 meteor/grey metallic *)	6127-803-101	6117-0-0188	1
815 sahara/yellow	6127-815-101	6117-0-0187	1
	Busch-axcen®		
84 davos/studio white	6127-84-500-101	6117-0-0174	1/10
	carat®		
81 anthracite *)	6127-81-101	6117-0-0165	1
82 savanna/ivory white	6127-82-101	6117-0-0166	1
84 davos/studio white	6127-84-500-101	6117-0-0174	1/10
	pure stainless steel *)		
866 stainless steel	6127-866-101	6117-0-0175	1

- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
- 2) See labelling sheet 1799 xx.
- 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcen®, future®, or future® linear.
- 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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**Multifunction push-button sensor ^{1) 2) 3) 4)}
4gang touch sensor
 With labelling field.
 For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U.
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Control element: Switch contacts left/right
 Display elements: LED for displaying the output
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm**

	future®		
82	savanna/ivory white	6127M F-82-101	6117-0-0177 1
84	davos/studio white	6127 MF-84-500-101	6117-0-0185 1/10
85	manhattan/graphite ¹⁾	6127M F-85-101	6117-0-0180 1
89	stone/lightgrey ¹⁾	6127M F-89-101	6117-0-0184 1
	future® linear		
81	anthracite ¹⁾	6127 MF-81-101	6117-0-0176 1
82	savanna/ivory white	6127 MF-82-101	6117-0-0177 1
83	aluminium silver ⁵⁾	6127 MF-83-101	6117-0-0178 1
84	davos/studio white	6127 MF-84-500-101	6117-0-0185 1/10
89	stone/lightgrey ¹⁾	6127M F-89-101	6117-0-0184 1
	solo®		
82	savanna/ivory white	6127 MF-82-101	6117-0-0177 1
84	davos/studio white	6127 MF-84-500-101	6117-0-0185 1/10
85	manhattan/graphite ¹⁾	6127M F-85-101	6117-0-0180 1
86	samoa/light green ¹⁾	6127M F-86-101	6117-0-0181 1
87	toscana/purple	6127M F-87-101	6117-0-0182 1
88	attica/pigeon blue ¹⁾	6127M F-88-101	6117-0-0183 1
803	meteor/grey metallic ³⁾	6127M F-803-101	6117-0-0190 1
815	sahara/yellow	6127M F-815-101	6117-0-0189 1
	Busch-axcent®		
84	davos/studio white	6127 MF-84-500-101	6117-0-0185 1/10
	carat®		
81	anthracite ¹⁾	6127 MF-81-101	6117-0-0176 1
82	savanna/ivory white	6127 MF-82-101	6117-0-0177 1
84	davos/studio white	6127 MF-84-500-101	6117-0-0185 1/10
	pure stainless steel ⁵⁾		
866	stainlesssteel	6127M F-866-101	6117-0-0186 1

1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
 2) See labelling sheet 1799 xx.
 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 5) Surface painted.
 *) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
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**Infrared Interface with switch sensor ^{1) 2) 3)}
3gang, 5-channel
 With labelling field.
 For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U.
 For control using Busch-Remote control IR mobile remote control 6010-25 or 6020-.../6021...
 Push switch function: switching / dimming / blind / sending values / scenes etc.
 Control element: Switch contacts left/right
 Display elements: LED for displaying the output
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm**

	future®		
82	savanna/ivory white	6129-82-101	6135-0-0129 1
84	davos/studio white	6129-84-500-101	6135-0-0137 1
85	manhattan/graphite ¹⁾	6129-85-101	6135-0-0132 1
89	stone/light grey ¹⁾	6129-89-101	6135-0-0136 1
	future® linear		
81	anthracite ¹⁾	6129-81-101	6135-0-0128 1
82	savanna/ivory white	6129-82-101	6135-0-0129 1
83	aluminium silver ⁴⁾	6129-83-101	6135-0-0130 1
84	davos/studio white	6129-84-500-101	6135-0-0137 1
89	stone/light grey ¹⁾	6129-89-101	6135-0-0136 1
	solo®		
82	savanna/ivory white	6129-82-101	6135-0-0129 1
84	davos/studio white	6129-84-500-101	6135-0-0137 1
85	manhattan/graphite ¹⁾	6129-85-101	6135-0-0132 1
86	samoa/light green ¹⁾	6129-86-101	6135-0-0133 1
87	toscana/purple	6129-87-101	6135-0-0134 1
88	attica/pigeon blue ¹⁾	6129-88-101	6135-0-0135 1
803	meteor/grey metallic ⁴⁾	6129-803-101	6135-0-0140 1
815	sahara/yellow	6129-815-101	6135-0-0139 1
	Busch-axcent® ⁴⁾		
84	davos/studio white	6129-84-500-101	6135-0-0137 1
	carat®		
81	anthracite ¹⁾	6129-81-101	6135-0-0128 1
82	savanna/ivory white	6129-82-101	6135-0-0129 1
84	davos/studio white	6129-84-500-101	6135-0-0137 1
	pure stainless steel ⁴⁾		
866	stainless steel	6129-866-101	6135-0-0138 1

1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
 4) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Room Thermostat with switch sensor ^{1) 2) 3) 4)} 2gang with heating/cooling operation With labelling field. For ABB i-bus® KNX bus coupler 6120/12, 6120/13. Universal control cover with room thermostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with 6164 U, commercially available valve drives or analogue valve drives (continuous controllers). For heating and cooling (PI, PWM or 2-point) For control of up to 5-level ventilation actuators With manual adjustment of fan levels Push button function (switching/dimming/blind/value transmission/light scenes/fan function) Control element: Switch contacts left/right, also for selecting setpoint and mode of operation Display elements: LCD displaying operation mode, temperature, time and date Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
	future®		
82 savanna/ivory white	6128-82-102	6134-0-0185	1
84 davos/studio white	6128-84-102	6134-0-0187	1
85 manhattan/graphite *)	6128-85-102	6134-0-0189	1
89 stone/light grey *)	6128-89-102	6134-0-0193	1
	future® linear		
81 anthracite *)	6128-81-102	6134-0-0184	1
82 savanna/ivory white	6128-82-102	6134-0-0185	1
83 aluminium silver ⁵⁾	6128-83-102	6134-0-0186	1
84 davos/studio white	6128-84-102	6134-0-0187	1
	solo®		
82 savanna/ivory white	6128-82-102	6134-0-0185	1
84 davos/studio white	6128-84-102	6134-0-0187	1
85 manhattan/graphite *)	6128-85-102	6134-0-0189	1
86 samoa/light green *)	6128-86-102	6134-0-0190	1
87 toscana/purple	6128-87-102	6134-0-0191	1
88 attica/pigeon blue *)	6128-88-102	6134-0-0192	1
803 meteor/grey metallic ⁵⁾	6128-803-102	6134-0-0238	1
815 sahara/yellow	6128-815-102	6134-0-0237	1
	Busch-axcent®		
84 davos/studio white	6128-84-102	6134-0-0187	1
	carat®		
81 anthracite *)	6128-81-102	6134-0-0184	1
82 savanna/ivory white	6128-82-102	6134-0-0185	1
84 davos/studio white	6128-84-102	6134-0-0187	1
	pure stainless steel ⁵⁾		
866 stainlesssteel	6128-866-102	6134-0-0194	1

- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
- 2) See labelling sheet 1799 xx.
- 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
- 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Room Thermostat ^{1) 2) 3) 4)} Heating/cooling operation With labelling field. For ABB i-bus® KNX bus coupler 6120/12, 6120/13. Control element with room thermostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with 6164 U, commercially available valve drives or analogue valve drives (continuous controllers). For heating and cooling (PI, PWM or 2-point) For control of up to 5-level ventilation actuators With manual adjustment of fan levels Control element: Switch contacts left/right for selecting setpoint and mode of operation Display elements: LCD showing operation modes Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
	future®		
82 savanna/ivory white	6124-82-102	6134-0-0174	1
84 davos/studio white	6124-84-102	6134-0-0176	1
85 manhattan/graphite *)	6124-85-102	6134-0-0178	1
89 stone/light grey *)	6124-89-102	6134-0-0182	1
	future® linear		
81 anthracite *)	6124-81-102	6134-0-0173	1
82 savanna/ivory white	6124-82-102	6134-0-0174	1
83 aluminium silver ⁵⁾	6124-83-102	6134-0-0175	1
84 davos/studio white	6124-84-102	6134-0-0176	1
	solo®		
82 savanna/ivory white	6124-82-102	6134-0-0174	1
84 davos/studio white	6124-84-102	6134-0-0176	1
85 manhattan/graphite *)	6124-85-102	6134-0-0178	1
86 samoa/light green *)	6124-86-102	6134-0-0179	1
87 toscana/purple	6124-87-102	6134-0-0180	1
88 attica/pigeon blue *)	6124-88-102	6134-0-0181	1
803 meteor/grey metallic ⁵⁾	6124-803-102	6134-0-0236	1
815 sahara/yellow	6124-815-102	6134-0-0235	1
	Busch-axcent®		
84 davos/studio white	6124-84-102	6134-0-0176	1
	carat®		
81 anthracite *)	6124-81-102	6134-0-0173	1
82 savanna/ivory white	6124-82-102	6134-0-0174	1
84 davos/studio white	6124-84-102	6134-0-0176	1
	pure stainless steel ⁵⁾		
866 stainless steel	6124-866-102	6134-0-0183	1

- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
- 2) See labelling sheet 1799 xx.
- 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
- 4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 5) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Week timer switch sensor 2gang ^{1) 2) 3) 4)} With labelling field. For ABB i-bus® KNX . Universal control element with two-channel week timer. Channels can be set using the device application and/or directly on the device by manual operation. Sensor function (switching/dimming/blind/transmit value/light scene extension/ventilation function). Control element: Touch contacts left/right, also suitable for channel adjustment and operating mode selection Display elements: LCD display of time/date and operating states per time channel Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm		
			future®
82 savanna/ivory white	6128/10-82-101	6136-0-0170	1
84 davos/studio white	6128/10-84-101	6136-0-0172	1
85 manhattan/graphite *)	6128/10-85-101	6136-0-0173	1
89 stone/lightgre y *)	6128/10-89-101	6136-0-0177	1
			future® ¹ inear
81 anthracite *)	6128/10-81-101	6136-0-0169	1
82 savanna/ivory white	6128/10-82-101	6136-0-0170	1
83 aluminiumsi lver ⁵⁾	6128/10-83-101	6136-0-0171	1
84 davos/studio white	6128/10-84-101	6136-0-0172	1
89 stone/lightgre y *)	6128/10-89-101	6136-0-0177	1
			solo®
82 savanna/ivory white	6128/10-82-101	6136-0-0170	1
84 davos/studio white	6128/10-84-101	6136-0-0172	1
85 manhattan/graphite *)	6128/10-85-101	6136-0-0173	1
86 samoa/light green *)	6128/10-86-101	6136-0-0174	1
87 toscana/purple	6128/10-87-101	6136-0-0175	1
88 attica/pigeon blue *)	6128/10-88-101	6136-0-0176	1
803 meteor/grey metallic ⁵⁾	6128/10-803-101	6136-0-0191	1
815 sahara/yellow	6128/10-815-101	6136-0-0190	1
			Busch-axcent®
84 davos/studio white	6128/10-84-101	6136-0-0172	1
			carat®
81 anthracite *)	6128/10-81-101	6136-0-0169	1
82 savanna/ivory white	6128/10-82-101	6136-0-0170	1
84 davos/studio white	6128/10-84-101	6136-0-0172	1
			<i>pure stainless steel</i> ⁵⁾
866 stainlesssteel	6128/10-866-101	6136-0-0179	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) For compatible cover frames, see the following ranges: carat®, *pure stainless steel*, solo®, Busch-axcent®, fut ure®, or future®¹ inear.
4) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
5) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE LED display ^{1) 2)} For status display of window handle positions: open = red, closed = green, tilted = yellow. Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels. Up to 8 WaveLine transmitters can be taught-in on each LED display channel. Up to 8 WaveLine transmitters can be taught-in on onsite operation. After a power cut all LED display channels light in red. The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state. Status display for depleted WaveLINE transmitter battery. Status display for faulty transmission link and defective WaveLINE transmitter. User-friendly start-up without PC / software. Printed labelling sheet with 8 different inlay sheets. For WaveLINE window position sensor 6720-xxx.		
			future® ²⁾
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite *)	6730-85	6730-0-0018	1
89 stone/light grey *)	6730-89	6730-0-0022	1
			future® linear ²⁾
81 anthracite *)	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
83 aluminium silver ³⁾	6730-83	6730-0-0016	1
84 davos/studio white	6730-84	6730-0-0017	1
89 stone/light grey *)	6730-89	6730-0-0022	1
			solo® ²⁾
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
85 manhattan/graphite *)	6730-85	6730-0-0018	1
86 samoa/light green *)	6730-86	6730-0-0019	1
87 toscana/purple	6730-87	6730-0-0020	1
88 attica/pigeon blue *)	6730-88	6730-0-0021	1
803 meteor/grey metallic	6730-803	6730-0-0025	1
815 sahara/yellow	6730-815	6730-0-0024	1
			Busch-axcent® ²⁾
84 davos/studio white	6730-84	6730-0-0017	1
			carat® ²⁾
81 anthracite *)	6730-81	6730-0-0014	1
82 savanna/ivory white	6730-82	6730-0-0015	1
84 davos/studio white	6730-84	6730-0-0017	1
			<i>pure stainless steel</i> ^{2) 3)}
866 stainless steel	6730-866	6730-0-0023	1

1) See labelling sheet 1799 xx.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 2)} Multi-lens For ABB i-bus® KNX devices 6120 U-102, 6109 U, 6110 U-101, and 6114 U. Control element: Sliding switch for manual operation ON/AUTOMATIC/OFF (lockable) Detection range: frontal: 15 m, lateral: 5 m Detection range 2: frontal: 10 m, lateral: 2.5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 1.1 m - 2.5 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm x 28 mm Position for installation: vertical		
	future®		
82 savanna/ivory white	6122-82	6132-0-0140	1/10
84 davos/studio white	6122-84-500	6132-0-0148	1
85 manhattan/graphite *)	6122-85	6132-0-0142	1/10
89 stone/lightgrey *)	6122-89	6132-0-0147	1/10
	future® linear		
81 anthracite ^{3) *)}	6122-81	6132-0-0153	1
82 savanna/ivory white	6122-82	6132-0-0140	1/10
83 aluminiumsilver ^{3) *)}	6122-83	6132-0-0163	1
84 davos/studio white	6122-84-500	6132-0-0148	1
89 stone/lightgrey *)	6122-89	6132-0-0147	1/10
	solo®		
82 savanna/ivory white	6122-82	6132-0-0140	1/10
84 davos/studio white	6122-84-500	6132-0-0148	1
85 manhattan/graphite *)	6122-85	6132-0-0142	1/10
86 samoa/light green *)	6122-86	6132-0-0143	1/10
87 toscana/purple	6122-87	6132-0-0144	1/10
88 attica/pigeon blue *)	6122-88	6132-0-0145	1/10
803 meteor/grey metallic ^{3) *)}	6122-803	6132-0-0242	1
815 sahara/yellow	6122-815	6132-0-0241	1
	Busch-axcent®		
84 davos/studio white	6122-84-500	6132-0-0148	1
	carat®		
81 anthracite ^{3) *)}	6122-81	6132-0-0153	1
82 savanna/ivory white	6122-82	6132-0-0140	1/10
84 davos/studio white	6122-84-500	6132-0-0148	1
	pure stainless steel ^{3) *)}		
866 stainlesssteel	6122-866	6132-0-0165	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Interface RS-232 ^{1) 2)} For ABB i-bus® KNX bus coupler 6120 U-102. For coupling a PC or laptop. Display elements: Operating LED Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 63 mm x 63 mm x 36 mm		
	future®		
82 savanna/ivory white	6123-82	6133-0-0143	1
84 davos/studio white	6123-84-500	6133-0-0164	1
85 manhattan/graphite *)	6123-85	6133-0-0145	1
89 stone/lightgrey *)	6123-89	6133-0-0162	1
	future® linear		
81 anthracite ^{3) *)}	6123-81	6133-0-0188	1
82 savanna/ivory white	6123-82	6133-0-0143	1
83 aluminiumsilver ^{3) *)}	6123-83	6133-0-0192	1
84 davos/studio white	6123-84-500	6133-0-0164	1
89 stone/lightgrey *)	6123-89	6133-0-0162	1
	solo®		
82 savanna/ivory white	6123-82	6133-0-0143	1
84 davos/studio white	6123-84-500	6133-0-0164	1
85 manhattan/graphite *)	6123-85	6133-0-0145	1
86 samoa/light green *)	6123-86	6133-0-0146	1
87 toscana/purple	6123-87	6133-0-0147	1
88 attica/pigeon blue *)	6123-88	6133-0-0148	1
803 meteor/grey metallic ^{3) *)}	6123-803	6133-0-0197	1
815 sahara/yellow	6123-815	6133-0-0196	1
	Busch-axcent®		
84 davos/studio white	6123-84-500	6133-0-0164	1
	carat®		
81 anthracite ^{3) *)}	6123-81	6133-0-0188	1
82 savanna/ivory white	6123-82	6133-0-0143	1
84 davos/studio white	6123-84-500	6133-0-0164	1
	pure stainless steel ^{3) *)}		
866 stainless steel	6123-866	6133-0-0194	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® linear.
3) Surface painted.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Interface USB ^{1) 2) 3)}
 For ABB i-bus® KNX bus coupler 6120 U-102.
 For coupling a PC or laptop.
 Display elements: two operation LEDs
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 63 mm x 63 mm x 36 mm

				future®
82	savanna/ivory white	6123US B-82	6133-0-0179	1
84	davos/studio white	6123 USB-84-500	6133-0-0186	1
85	manhattan/graphite ¹⁾	6123US B-85	6133-0-0181	1
89	stone/lightgrey ¹⁾	6123US B-89	6133-0-0185	1
				future® | inear
81	anthracite ¹⁾	6123 USB-81	6133-0-0191	1
82	savanna/ivory white	6123 USB-82	6133-0-0179	1
83	aluminiumsilver ⁴⁾	6123 USB-83	6133-0-0193	1
84	davos/studio white	6123 USB-84-500	6133-0-0186	1
89	stone/lightgrey ¹⁾	6123US B-89	6133-0-0185	1
				solo®
82	savanna/ivory white	6123 USB-82	6133-0-0179	1
84	davos/studio white	6123 USB-84-500	6133-0-0186	1
85	manhattan/graphite ¹⁾	6123US B-85	6133-0-0181	1
86	samoalight green ¹⁾	6123US B-86	6133-0-0182	1
87	toscana/purple	6123US B-87	6133-0-0183	1
88	atticapigeon blue ¹⁾	6123US B-88	6133-0-0184	1
803	meteor/grey metallic ⁴⁾	6123US B-803	6133-0-0199	1
815	sahara/yellow	6123US B-815	6133-0-0198	1
				Busch-axcent®
84	davos/studio white	6123 USB-84-500	6133-0-0186	1
				carat®
81	anthracite ⁴⁾	6123US B-81	6133-0-0191	1
82	savanna/ivory white	6123 USB-82	6133-0-0179	1
84	davos/studio white	6123 USB-84-500	6133-0-0186	1
				pure stainless steel ⁴⁾
866	stainlesssteel	6123US B-866	6133-0-0195	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) ETS programming only from ETS 3 and Power Project 4.x.
 3) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, future®, or future® | inear.
 4) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Switch sensor ^{1) 2) 3) 4)}
1gang touch sensor
 For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U.
 Control element: Switch contacts top/bottom
 Display elements: LED for displaying the output
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 56 mm x 71 mm x 17 mm

				alpha exclusive®
22G	ivory	6115-22G-101	6115-0-0138	1/10
24G	studio white	6115-24G-101	6115-0-0131	1/10
233	amber	6115-233-101	6115-0-0139	1/10
255	obsidian	6115-255-101	6115-0-0140	1/10
260	palladium ⁴⁾	6115-260-101	6115-0-0141	1/10
266	titanium ⁴⁾	6115-266-101	6115-0-0142	1/10
				alpha nea®
20	platinum ⁴⁾	6115-20-101	6115-0-0128	1/10
21	bronze ⁴⁾	6115-21-101	6115-0-0129	1/10
22G	ivory	6115-22G-101	6115-0-0138	1/10
24	studio white	6115-24-101-500	6115-0-0135	1/100
24G	studio white	6115-24G-101	6115-0-0131	1/10
26	brown	6115-26-101	6115-0-0159	1/10
28	hansa blue	6115-28-101	6115-0-0134	1/10

1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 3) Cover frame, also with letterable inspection window.
 4) Surface painted.
 *) Phase-out type



Switch sensor ^{1) 2) 3) 4)}
2gang touch sensor
 For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U.
 Control element: Switch contacts top/bottom
 Display elements: LED for displaying the output
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 56 mm x 71 mm x 17 mm

				alpha exclusive®
22G	ivory	6116-22G-101	6116-0-0128	1/10
24G	studio white	6116-24G-101	6116-0-0121	1/10
233	amber	6116-233-101	6116-0-0129	1/10
255	obsidian	6116-255-101	6116-0-0130	1/10
260	palladium ⁴⁾	6116-260-101	6116-0-0131	1/10
266	titanium ⁴⁾	6116-266-101	6116-0-0132	1/10
				alpha nea®
20	platinum ⁴⁾	6116-20-101	6116-0-0118	1/10
21	bronze ⁴⁾	6116-21-101	6116-0-0119	1/10
22G	ivory	6116-22G-101	6116-0-0128	1/10
24	studio white	6116-24-101-500	6116-0-0125	1/100
24G	studio white	6116-24G-101	6116-0-0121	1/10
26	brown	6116-26-101	6116-0-0149	1/10
28	hansa blue	6116-28-101	6116-0-0124	1/10

1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 3) Cover frame, also with letterable inspection window.
 4) Surface painted.
 *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Switch sensor 1) 2) 3) *)
4gang touch sensor

For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U.
Control element: Switch contacts top/bottom
Display elements: LED for displaying the output
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 56 mm x 71 mm x 17 mm

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22G ivory	6117-22G-101	6117-0-0127	1/10
24G studiowhi te	6117-24G-101	6117-0-0119	1/10
233 amber	6117-233-101	6117-0-0128	1/10
255 obsidian	6117-255-101	6117-0-0129	1/10
260 palladium 4)	6117-260-101	6117-0-0130	1/10
266 titanium 4)	6117-266-101	6117-0-0131	1/10

alpha nea®

20 platinum 4)	6117-20-101	6117-0-0116	1/10
21 bronze 4)	6117-21-101	6117-0-0117	1/10
22G ivory	6117-22G-101	6117-0-0127	1/10
24 studiowhi te	6117-24-101-500	6117-0-0123	1/100
24G studiowhi te	6117-24G-101	6117-0-0119	1/10
26 brown	6117-26-101	6117-0-0158	1/10
28 hansabl ue	6117-28-101	6117-0-0122	1/10

- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
 - 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 - 3) Cover frame, also with letterable inspection window.
 - 4) Surface painted.
- *) Phase-out type


Interchangeable Cover *)
Up-Down delta symbol

For flush mounted switch sensor 6115-24G-10x (1 pce.)

24G studiowhi te	6115/100-24G	6115-0-0137	1/10
	For FM switch sensor 6116-24G-10x (1 pce.)		
24G studiowhi te	6116/100-24G	6116-0-0127	1/10
	For FM switch sensor 6117-24G-10x (1 pce.)		
24G studiowhi te	6117/100-24G	6117-0-0126	1/10

*) Phase-out type


Infrared Interface 1) 2) 3) *)
5-channel

For ABB i-bus® KNX devices 6120 U-102, 6110 U-101, 6114 U. for control using Busch-Remote control IR mobile remote control 6010-25 or wall-mounted transmitter 6020-.../6021-...

"Local operation" of a group address.

Control element: Switch contacts top/bottom

Display elements: Operating LED

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 56 mm x 71 mm x 17 mm

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22G ivory	6135-22G-102	6135-0-0106	1/10
24G studiowhi te	6135-24G-102	6135-0-0104	1/10
233 amber	6135-233-102	6135-0-0107	1/10
255 obsidian	6135-255-102	6135-0-0108	1/10
260 palladium 3)	6135-260-102	6135-0-0109	1/10
266 titanium 3)	6135-266-102	6135-0-0110	1/10

alpha nea®

20 platinum 3)	6135-20-102	6135-0-0100	1/10
21 bronze 3)	6135-21-102	6135-0-0101	1/10
22G ivory	6135-22G-102	6135-0-0106	1/10
24 studiowhi te	6135-24-102-500	6135-0-0103	1
24G studiowhi te	6135-24G-102	6135-0-0104	1/10
28 hansabl ue	6135-28-102	6135-0-0105	1/10
26 brown	6135-26-102	6135-0-0124	1/10

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 - 2) Cover frame, also with letterable inspection window.
 - 3) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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WaveLINE LED display 1) 2)

For status display of window handle positions: open = red, closed = green, tilted = yellow.

Direct onsite operation possible for switching / dimming an electrical device depending on the flush mounted insert. 4 individual LED display channels.

Up to 8 WaveLine transmitters can be taught-in on each LED display channel.

Up to 8 WaveLine transmitters can be taught-in on onsite operation.

After a power cut all LED display channels light in red.

The cyclic telegram repeat of the WaveLINE window position sensor 6720-xxx sensor automatically updates the window open state.

Status display for depleted WaveLINE transmitter battery.

Status display for faulty transmission link and defective WaveLINE transmitter.

User-friendly start-up without PC / software.

Printed labelling sheet with 8 different inlay sheets.

For WaveLINE window position sensor 6720-xxx.

For WaveLINE 6721-xx universal signalling unit.

For Busch Watchdog 220 WaveLINE 6745 AGM.

For Busch-Universal relay switch insert 6404 U.

For universal dimmer switch insert 6595 U.

For ABB i-bus® KNX devices 6110 U, 6114 U, 6120 U-102.

Range in free field: approx. 100 m

Send/receive frequency: 868 MHz.

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 55 mm x 70 mm


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22G ivory	6730-22G	6730-0-0009	1
24G studio white	6730-24G	6730-0-0011	1
233 amber *)	6730-233	6730-0-0003	1
255 obsidian *)	6730-255	6730-0-0004	1
260 palladium 3)	6730-260	6730-0-0005	1
266 titanium 3)	6730-266	6730-0-0006	1


alpha nea®


20 platinum 3)	6730-20	6730-0-0007	1
21 bronze 3)	6730-21	6730-0-0008	1
22G ivory	6730-22G	6730-0-0009	1
24 studio white	6730-24	6730-0-0010	1
24G studio white	6730-24G	6730-0-0011	1
26 brown *)	6730-26	6730-0-0012	1
28 hansa blue *)	6730-28	6730-0-0013	1

- 1) See labelling sheet 1799 xx.
 - 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 - 3) Surface painted.
- *) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) 4) *)} selective detection For ABB i-bus® KNX devices 6120 U-102, 6109 U, 6110 U-101, and 6114 U. Control element: Sliding switch for manual operation ON/AUTOMATIC/OFF (lockable) Detection range: frontal: 12 m, lateral: 8 m Detection angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 1.1 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 56 mm x 71 mm x 28 mm Position for installation: vertical		
	<i>alpha exclusive® 2)</i>		
22G ivory	6132-22G-102	6132-0-0131	1
24G studiowhi te	6132-24G-102	6132-0-0115	1/10
233 amber	6132-233-102	6132-0-0132	1
255 obsidian	6132-255-102	6132-0-0133	1
260 palladium ³⁾	6132-260-102	6132-0-0134	1
266 titanium ³⁾	6132-266-102	6132-0-0135	1
	<i>alpha nea® 2)</i>		
20 platinum ³⁾	6132-20-102	6132-0-0105	1
21 bronze ³⁾	6132-21-102	6132-0-0113	1
22G ivory	6132-22G-102	6132-0-0131	1
24 studiowhi te	6132-24-102-500	6132-0-0124	1/10
24G studiowhi te	6132-24G-102	6132-0-0115	1/10
28 hansabl ue	6132-28-102	6132-0-0118	1
26 brown	6132-26-102	6132-0-0149	1/10
	<i>impuls</i>		
71 brilliantbl ack	6132-71-102	6132-0-0119	1
74 alpinewhi te	6132-74-102	6132-0-0120	1
79 champagne metallic ³⁾	6132-79-102	6132-0-0123	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) Cover frame,also with letterable inspection window. 3) Surface painted. 4) For compatible cover frames, see the following ranges: carat®, pure stainless steel, solo®, Busch-axcent®, fut ure®, or future®I inear. *) Phase-outt ype			

	Busch-Watchdog 180 flush mounted comfort sensor II ^{1) *)} Multi-lens For ABB i-bus® KNX devices 6120 U-102, 6109 U, 6110 U-101, and 6114 U. Control element: Sliding switch for manual operation ON/AUTOMATIC/OFF (lockable) Detection range: frontal: 15 m, lateral: 5 m Detection range 2: frontal: 10 m, lateral: 2.5 m Detection angle: 180 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 1.1 m - 2.5 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 56 mm x 71 mm x 28 mm Position for installation: vertical		
	<i>alpha nea®</i>		
24 studiowhi te	6132-24-102M-500	6132-0-0112	1/10
24G studiowhi te	6132-24G-102M	6132-0-0110	1
26 brown	6132-26-102M	6132-0-0150	1/10
	<i>impuls ¹⁾</i>		
74 alpinewhi te	6132-74-102M	6132-0-0111	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
	LCD-Display ^{1) 2) *)} For ABB i-bus® KNX bus coupler 6120 U-10x. For displaying 4 lines, each with 16 characters, 8 lines displayable. With internal illumination. For display and transmission. Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 56 mm x 71 mm		
	<i>alpha exclusive®</i>		
22G ivory	6136-22G-102	6136-0-0156	1
24G studio white	6136-24G-102	6136-0-0157	1
233 amber	6136-233-102	6136-0-0158	1
255 obsidian	6136-255-102	6136-0-0159	1
260 palladium ³⁾	6136-260-102	6136-0-0160	1
266 titanium ³⁾	6136-266-102	6136-0-0161	1
	<i>alpha nea®</i>		
20 platinum ³⁾	6136-20-102	6136-0-0162	1
21 bronze ³⁾	6136-21-102	6136-0-0163	1
24 studiowhi te	6136-24-500-102	6136-0-0167	1
24G studiowhi te	6136-24G-102	6136-0-0157	1
26 brown	6136-26-102	6136-0-0165	1
28 hansa blue	6136-28-102	6136-0-0166	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) Cover frame,also with letterable inspection window. 3) Surface painted. *) Phase-outt ype			

	Room thermostat ^{1) 2) 3) *)} Heating/cooling operation For ABB i-bus® KNX bus coupler 6120 U-10x. For controlling commercially available valve drives (e.g. TSA/K 230.1, TSA/K 24.1) or analogue valve drives (continuous controllers) in connection with e.g. 6164 U. For heating and cooling (PI, PWM or 2-point) Control element: Control wheel, presence push button Display elements: LED displaying operation modes Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 56 mm x 71 mm x 17 mm		
	<i>alpha exclusive®</i>		
22G ivory	6134-22G-102	6134-0-0143	1
24G studio white	6134-24G-102	6134-0-0138	1
233 amber	6134-233-102	6134-0-0144	1
255 obsidian	6134-255-102	6134-0-0145	1
260 palladium ⁴⁾	6134-260-102	6134-0-0146	1
266 titanium ⁴⁾	6134-266-102	6134-0-0147	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6134-20-102	6134-0-0135	1
21 bronze ⁴⁾	6134-21-102	6134-0-0136	1
22G ivory	6134-22G-102	6134-0-0143	1
24 studiowhi te	6134-24-102	6134-0-0137	1
24G studiowhi te	6134-24G-102	6134-0-0138	1
26 brown	6134-26-102	6134-0-0158	1
28 hansa blue	6134-28-102	6134-0-0141	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) Cover frame,also with letterable inspection window. 3) Setpoint of the rotary button parameterizable. 4) Surface painted. *) Phase-outt ype			

Product	Article-No.	Order-No.	Pack/Qty
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Interface USB ^{1) 2) 3) *)}
 For ABB i-bus® KNX bus coupler 6120 U-10x.
 For coupling a PC or laptop.
 Display elements: two operation LEDs
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 56 mm x 71 mm x 36 mm

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22G ivory	6133US B-22G	6133-0-0168	1
24G studiowhi te	6133US B-24G	6133-0-0176	1
233 amber	6133US B-233	6133-0-0169	1
255 obsidian	6133US B-255	6133-0-0170	1
260 palladium ⁴⁾	6133 USB-260	6133-0-0171	1
266 titanium ⁴⁾	6133US B-266	6133-0-0172	1

alpha nea®

20 platinum ⁴⁾	6133US B-20	6133-0-0173	1
21 bronze ⁴⁾	6133 USB-21	6133-0-0174	1
22G ivory	6133US B-22G	6133-0-0168	1
24 studiowhi te	6133US B-24	6133-0-0175	1
24G studiowhi te	6133US B-24G	6133-0-0176	1
26 brown	6133US B-26	6133-0-0190	1
28 hansabl ue	6133US B-28	6133-0-0178	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) Cover frame, also with letterable inspection window.
- 3) ETS programming only from ETS 3 and Power Project 4.x.
- 4) Surface painted.
- *) Phase-out type



Interface RS-232 ^{1) 2) *)}
 For ABB i-bus® KNX bus coupler 6120 U-10x.
 For coupling a PC or laptop.
 Display elements: Operating LED
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 56 mm x 71 mm x 36 mm

alpha exclusive®

22G ivory	6133-22G-101	6133-0-0152	1
24G studiowhi te	6133-24G-101	6133-0-0160	1
233 amber	6133-233-101	6133-0-0153	1
255 obsidian	6133-255-101	6133-0-0154	1
260 palladium ³⁾	6133-260-101	6133-0-0155	1
266 titanium ³⁾	6133-266-101	6133-0-0156	1

alpha nea®

20 platinum ³⁾	6133-20-101	6133-0-0157	1
21 bronze ³⁾	6133-21-101	6133-0-0158	1
22G ivory	6133-22G-101	6133-0-0152	1
24 studiowhi te	6133-24-101-500	6133-0-0163	1
24G studiowhi te	6133-24G-101	6133-0-0160	1
26 brown	6133-26-101	6133-0-0167	1
28 hansabl ue	6133-28-101	6133-0-0161	1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) Cover frame, also with letterable inspection window.
- 3) Surface painted.
- *) Phase-out type



IR remote control ^{1) 2)}
 Battery-supplied infrared remote control.
 For infrared receiver (60xx).
 For Busch Watchdog Presence tech (6813/11),
 For Busch-priOr® Top end strip with IR receiver and proximity sensor (6350-825)
 For KNX sensors with infrared interface (632x-xxx, 6129-xx, and 6135-xxx).
 For switching/dimming up to 10 loads in 2 groups (1-5 / 6-10).
 Programming and selection of 2 MEMO memories possible per group.
 Supply from 4 alkaline manganese batteries, IEC LR03 (microcell). Not included in delivery.
 Range: 15 m
 Rated voltage: 6V-

6010-25-500 6020-0-1133 1

- 1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
- 2) Except 6321- and 6326-101.

Product	Article-No.	Order-No.	Pack/Qty
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IR Wall-Mounted transmitter ^{1) 2) 3)}
 Battery-supplied infrared remote control.
 For infrared receiver and KNX flush-mounted infrared interfaces 6129-xxx-101, 6135-xx, and 632x-xxx (selection of 2 memo functions for each address group and ALL OFF).
 Address group switch-over (1-5/6-10)
 Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)
 Range: 15 m

20 platinum ⁴⁾	6020-20	6020-0-0036	1/10
21 bronze ⁴⁾	6020-21	6020-0-0044	1/10
24 studio white	6020-24-500	6020-0-1281	1
24G studio white	6020-24G-500	6020-0-1299	1
28 hansa blue ^{*)}	6020-28	6020-0-1018	1/10

- 1) For programming the memory M1 and M2 the IR Mobile Remote Control 6010-xx is required.
- 2) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
- 3) Except 6321- and 6326-101.
- 4) Surface painted.
- *) Phase-out type



IR Wall-Mounted Transmitter ^{1) 2)}
1-channel
 Battery-supplied infrared remote control.
 For infrared reception and KNX flush-mounted infrared interface (switching and dimming an IR address possible. ALL OFF function for respective address group.).
 Range: 15 m
 Supply: 6 V Flat-Pack battery (e.g. Duracell 7 K 67, not included in delivery)

20 platinum ³⁾	6021-20	6020-0-0754	1
21 bronze ³⁾	6021-21	6020-0-0762	1
24 studio white	6021-24-500	6020-0-1315	1
24G studio white	6021-24G-500	6020-0-1307	1
28 hansa blue ^{*)}	6021-28	6020-0-0879	1

- 1) For function together with KNX flush-mounted, infrared interface, see Technical Manual.
- 2) Except 6321- and 6326-101.
- 3) Surface painted.
- *) Phase-out type



Switch sensor ^{1) 2) 3) 4)}
1gang touch sensor
 Busch-triton®
 With labelling field.
 For ABB i-bus® KNX devices 6120 U-10x, 6110 U-10x, 6114 U.
 Control element: Switch contacts left/right
 Display elements: LED for displaying the output
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 85 mm x 90 mm

alpha exclusive® ³⁾

22G ivory	6321-22G	6300-0-1338	1
24G studio white	6321-24G	6300-0-0917	1
255 obsidian	6321-255	6300-0-1253	1
260 palladium ⁵⁾	6321-260	6300-0-1252	1

alpha nea® ³⁾

20 platinum ⁵⁾	6321-20	6300-0-0883	1
21 bronze	6321-21	6300-0-0891	1
22G ivory	6321-22G	6300-0-1338	1
24 studio white	6321-24	6300-0-0909	1
24G studio white	6321-24G	6300-0-0917	1


impuls ³⁾

71 brilliant black	6321-71	6300-0-0560	1
79 champagne metallic	6321-79	6300-0-0941	1


future® linear ³⁾

83 aluminium silver	6321-83	6300-0-1331	1
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- 1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
- 2) See labelling sheet 1799 xx.
- 3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 4) no IR reception
- 5) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch sensor ^{1) 2) 3)} 3-gang switch sensor Busch-triton® With labelling field. For ABB i-bus® KNX devices 6120 U-10x, 6110 U-10x, 6114 U. Universal control cover with IR reception Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 85 mm x 90 mm		
	<i>alpha exclusive®</i>		
24G studiowhi te	6322-22G-101	6300-0-1339	1
255 obsidian	6322-24G-101	6300-0-1121	1/100
260 palladium ⁴⁾	6322-255-101	6300-0-1258	1
	6322-260-101	6300-0-1257	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6322-20-101	6300-0-1014	1
21 bronze ⁴⁾	6322-21-101	6300-0-1097	1
24 studiowhi te	6322-24-101	6300-0-1113	1
24G studiowhi te	6322-24G-101	6300-0-1121	1/100
	<i>impuls</i>		
71 brilliantblack	6322-71-101	6300-0-1162	1
79 champagne metallic ⁴⁾	6322-79-101	6300-0-1212	1
	<i>future® linear</i>		
83 aluminiumsilver ⁴⁾	6322-83-101	6300-0-1332	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Switch sensor with display ^{1) 2) 3)} 3-gang switch sensor Busch-triton® With labelling field. For ABB i-bus® KNX devices 6120 U-10x, 6110 U-10x, 6114 U. Universal control cover with IR reception and display Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 97 mm x 90 mm		
	<i>alpha exclusive®</i>		
22G ivory	6323-22G	6300-0-1340	1
24G studio white	6323-24G	6300-0-0982	1
255 obsidian	6323-255	6300-0-1263	1
260 palladium ⁴⁾	6323-260	6300-0-1262	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6323-20	6300-0-0958	1
21 bronze ⁴⁾	6323-21	6300-0-0966	1
24 studio white	6323-24	6300-0-0974	1
24G studio white	6323-24G	6300-0-0982	1
	<i>impuls</i>		
71 brilliant black	6323-71	6300-0-0586	1
79 champagne metallic ⁴⁾	6323-79	6300-0-1022	1
	<i>future® linear</i>		
83 aluminium silver ⁴⁾	6323-83	6300-0-1333	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.

	Switch sensor ^{1) 2) 3)} 5-gang switch sensor Busch-triton® With labelling field. For ABB i-bus® KNX devices 6120 U-10x, 6110 U-10x, 6114 U. Universal control cover with IR reception Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 159 mm x 90 mm		
	<i>alpha exclusive®</i>		
22G ivory	6324-22G	6300-0-1341	1
24G studiowhi te	6324-24G	6300-0-0834	1
255 obsidian	6324-255	6300-0-1268	1
260 palladium ⁴⁾	6324-260	6300-0-1267	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6324-20	6300-0-0800	1
21 bronze ⁴⁾	6324-21	6300-0-0818	1
22G ivory	6324-22G	6300-0-1341	1
24 studiowhi te	6324-24	6300-0-0826	1
24G studiowhi te	6324-24G	6300-0-0834	1
	<i>impuls</i>		
71 brilliantblack	6324-71	6300-0-0578	1
79 champagne metallic ⁴⁾	6324-79	6300-0-0875	1
	<i>future® linear</i>		
83 aluminiumsilver ⁴⁾	6324-83	6300-0-1334	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.

	Switch sensor with display ^{1) 2) 3)} 5-gang switch sensor Busch-triton® With labelling field. For ABB i-bus® KNX devices 6120 U-10x, 6110 U-10x, 6114 U. Universal control cover with IR reception and display Control element: Switch contacts left/right Display elements: LED for displaying the output Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 159 mm x 90 mm		
	<i>alpha exclusive®</i>		
22G ivory	6325-22G	6300-0-1342	1
24G studio white	6325-24G	6300-0-1063	1
255 obsidian	6325-255	6300-0-1273	1
260 palladium ⁴⁾	6325-260	6300-0-1272	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6325-20	6300-0-1030	1
21 bronze ⁴⁾	6325-21	6300-0-1048	1
22G ivory	6325-22G	6300-0-1342	1
24 studio white	6325-24	6300-0-1055	1
24G studio white	6325-24G	6300-0-1063	1
	<i>impuls</i>		
71 brilliant black	6325-71	6300-0-0594	1
79 champagne metallic ⁴⁾	6325-79	6300-0-1105	1
	<i>future® linear</i>		
83 aluminium silver ⁴⁾	6325-83	6300-0-1335	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Room thermostat/switch sensor ^{1) 2) 3)} 3gang with heating/cooling operation Busch-triton® With labelling field. For ABB i-bus® KNX bus coupler 6120 U-10x. Universal control cover with room thermostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with 6164 U, commercially available valve drives or analogue valve drives (continuous controllers). For heating and cooling (PI, PWM or 2-point) Push button function (switching/dimming/blind/value transmission/fan function) Control element: Switch contacts left/right, also for selecting setpoint and mode of operation Display elements: LCD showing operation mode and temperature Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 97 mm x 90 mm		
	<i>alpha exclusive®</i>		
22G ivory	6326-22G-101	6300-0-1343	1
24G studiowhi te	6326-24G-101	6300-0-1218	1
255 obsidian	6326-255-101	6300-0-1278	1
260 palladium ⁴⁾	6326-260-101	6300-0-1277	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6326-20-101	6300-0-1215	1
21 bronze ⁴⁾	6326-21-101	6300-0-1216	1
22G ivory	6326-22G-101	6300-0-1343	1
24 studiowhi te	6326-24-101	6300-0-1217	1
24G studiowhi te	6326-24G-101	6300-0-1218	1
	<i>impuls</i>		
71 brilliantbl ack	6326-71-101	6300-0-1223	1
79 champagne metallic ⁴⁾	6326-79-101	6300-0-1227	1
	<i>future® linear</i>		
83 aluminiumsi lver ⁴⁾	6326-83-101	6300-0-1336	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	Room thermostat/switch sensor ^{1) 2) 3)} 5gang with heating/cooling operation Busch-triton® With labelling field. For ABB i-bus® KNX bus coupler 6120 U-10x. Universal control cover with room thermostat function for controlling TSA/K 230.1, TSA/K 24.1 in connection with 6164 U, commercially available valve drives or analogue valve drives (continuous controllers). For heating and cooling (PI, PWM or 2-point) Push button function (switching/dimming/blind/value transmission/fan function) Control element: Switch contacts left/right, also for selecting setpoint and mode of operation Display elements: LCD showing operation mode and temperature Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 159 mm x 90 mm		
	<i>alpha exclusive®</i>		
22G ivory	6327-22G-101	6300-0-1344	1
24G studio white	6327-24G	6300-0-1231	1
255 obsidian	6327-255	6300-0-1283	1
260 palladium ⁴⁾	6327-260	6300-0-1282	1
	<i>alpha nea®</i>		
20 platinum ⁴⁾	6327-20	6300-0-1228	1
21 bronze ⁴⁾	6327-21	6300-0-1229	1
24 studio white	6327-24	6300-0-1230	1
24G studio white	6327-24G	6300-0-1231	1
	<i>impuls</i>		
71 brilliant black	6327-71	6300-0-1236	1
79 champagne metallic ⁴⁾	6327-79	6300-0-1240	1
	<i>future® linear</i>		
83 aluminium silver ⁴⁾	6327-83	6300-0-1337	1


1) Illumination according to Arb.Stätt.V (German Workplace Ordinance).
2) See labelling sheet 1799 xx.
3) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
4) Surface painted.

Product	Article-No.	Order-No.	Pack/Qty
	Intermediate ring ¹⁾ Busch-triton® 1gang For Reflex SI inserts 20 EUCKS-xxx, 2531-xxx, 1803-02xxx or 2147 U-xxx. Rated voltage: 250 V Rated current: 16 A Mounting height: 0.3 m		
	<i>alpha exclusive®</i>		
22G ivory	1746 ZRKT-22G	1710-0-3681	10
24G studio white	1746 ZRKT-24G	1710-0-3409	10
255 obsidian	1746 ZRKT-255	1710-0-3517	10
260 palladium ²⁾	1746 ZRKT-260	1710-0-3516	10
	<i>alpha nea®</i>		
20 platinum ²⁾	1746 ZRKT-20	1710-0-3406	10
21 bronze ²⁾	1746 ZRKT-21	1710-0-3407	10
22G ivory	1746 ZRKT-22G	1710-0-3681	10
24 studio white	1746 ZRKT-24	1710-0-3408	10
24G studio white	1746 ZRKT-24G	1710-0-3409	10
	<i>impuls</i>		
71 brilliant black	1746 ZRKT-71	1710-0-3414	10
79 champagne metallic ²⁾	1746 ZRKT-79	1710-0-3418	10
	<i>future® linear</i>		
83 aluminium silver ²⁾	1746 ZRKT-83	1710-0-3680	10


1) Multiway socket outlet combination only possible in 91 mm gauge using the spacer 91 e.g. from Kaiser (Art. No. 1159-04)
2) Surface painted.


Product	Article-No.	Order-No.	Pack/Qty
	SCHUKO® socket outlet Busch-triton® 1) 2) *) Shuttered. Rated voltage: 250 V~ Rated current: 16 A Mounting height: 0.3 m		
24G studiowhite	20EUJK ST-24G	2013-0-5256	10
71 brilliantblack	20EUJK ST-71	2013-0-5258	10
1) Not to be used in combination with Busch-triton® switch sensors. 2) Multiway socket outlet combination only possible in 91 mm gauge using the spacer 91 e.g. from Kaiser (Art. No.1159-04) *) Phase-out type			

	Combi-SCHUKO® socket outlet Busch-triton® 1) 2) *) Shuttered. For control covers 6321-xxx, 6322-xxx-101, 6323-xxx, 6326-xxx-101. Rated voltage: 250 V~ Rated current: 16 A		
71 brilliantblack	20EUC KST-71	6300-0-1286	10
1) Installation possible in existing 71 mm gauge. 2) For each control cover only one socket outlet combinable. *) Phase-out type			




	Busch-Watchdog Presence KNX 1) 2) 3) For ABB i-bus® KNX bus coupler 6120 U-10x, 6110 U-10x, and 6114 U. For switching up to two channels of illumination + one channel for HVAC, dependent on brightness and/or movement Constant light regulation Alarm function Surveillance zone (installation height = 2.5 m): circular, Ø=6 m at operating height of 1 m from the ground Switch-off delay: 10 sec - 30 min (light), 1 min - 60 min (HVAC) Control element: 3 adjusting potentiometers Detection range: , lateral: 3 m Detection angle: 360 ° Brightness limit value: 5 Lux - 1000 Lux Mounting height: 2.5 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 110 mm x 51 mm		
white	6131-74-102-500	6132-0-0156	1/10
aluminiumsilver	6131-183-102-500	6132-0-0158	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page. 2) HVAC= Heating/ventilation/air-conditioning 3) Power Project programming only from V 4.x.			

	Surface mounting box For Busch Watchdog Presence tech. For installing an flush mounted insert in combination with the Busch Watchdog Presence tech 6813/(11)-xx-101 or Busch Watchdog Presence KNX 6131-xx-102. Protection class (Device): IP 20		
white	6885-500	6899-0-0282	1/10
aluminiumsilver	6885-183-500	6899-0-0298	1

Product	Article-No.	Order-No.	Pack/Qty
	Busch-Watchdog 220 KNX ProfessionalLine 1) Can be connected directly to ABB i-bus® KNX using the enclosed bus terminal. No additional power supply necessary. Surveillance density: 92 sectors with 368 switching segments. Dusk sensor: approx. 0.5-1,000 lux Switch-off delay: approx. 10 sec to 32 min Sensor angle: 220° Range: approx. 16 m Control element: 3 adjusting potentiometers Connections: KNX-line: Bus terminal Detection range: frontal: 16 m, lateral: 16 m Detection angle: 220 ° Brightness limit value: 0.5 Lux - 1000 Lux Mounting height: 2.5 m Protection class (Device): IP 55 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 85 mm x 145 mm		
white	6179 AGM-204-500	6132-0-0160	1/10
silver metallic	6179 AGM-208-500	6132-0-0162	1
1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.			

	Corner adapter For Busch Watchdog 220 Professional/SelectLINE. For detection on two sides of the house, in combination with Busch-Watchdog 280 ProfessionalLINE. Assembly is on the corner of the house. Suitable for mounting on down-pipes For flush or surface wiring. Mounting height: 2.5 m Dimensions: (L x W x D): 97 mm x 100 mm x 60 mm		
201 brown	6887-201-500	6899-0-0293	1
204 white	6887-204-500	6899-0-0292	1
35 anthracite	6887-35-500	6899-0-0294	1

	Flush-mounted KNX push button coupling 1) 2) 2/1gang 24 V DC For contacting conv. FM switch/sensor inserts (e.g. 2000/5 US, 2000/6 US, 2020 US and 2020 US-205). Integrated red status-LED for illuminating conv. 1gang switch/push button inserts. Contacting the switch/push-button inserts is effected via the bus voltage of the KNX push-button coupling. With the KNX push-switch coupling, the following programs can be used: Busch-Duro 2000® SI/SI Linear, Reflex SI/SI Linear, future®, future®, alpha exclusive®, alpha nea®, solo®, Busch-axcent®, carat®, and pure stainless steel. Connections: KNX-line: Bus terminal Rated voltage: 24 V, +5 V / -5 V Inputs: 2 Polling voltage: 24 V, is provided by the device Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 53 mm x 45 mm x 16 mm		
	6108 U-500	6133-0-0166	1
1) ETS programming only from ETS 2 V1.2a. 2) Except for 2020/4 US and 2000/4 US.			

Product	Article-No.	Order-No.	Pack/Qty	Product	Article-No.	Order-No.	Pack/Qty
	Busch-ComfortTouch® 1) House control, Infotainment, Entertainment Free programmable IP/KNX touch display can be used as a control, infotainment and entertainment centre for the whole house Can be combined with different design styling frames and design bars made from authentic materials Simple operation using intuitive navigation concept House control: switching, dimming, blinds, RTR, scene/sequences, timed controls Entertainment: Audio, video, MP3, remote control RC5 and B&O Infotainment: RSS reader, e-mail, voice and graphic memo, monitoring of usage data. Security: camera, alarm and message functions, presence simulation Representation of individual floor plans, room images and operation pages Video monitoring possible, e.g. using Mobotix IP cameras 9" Touch display with 800 x 480 pixels Compatible with ABB i-bus®KNX Operation and maintenance by remote control via IP Connections: KNX-line: 10-pole multi-point connector Rated voltage: 230 V~ Rated frequency: 50 Hz Protection class (Device): IP 20 Temperature range (Device): 0 °C to 45 °C Dimensions: (L x W x D): 192 mm x 287 mm x 79 mm Installation depth: 60 mm				Module ABB i-bus® KNX For Busch-ComfortTouch® For establishing the local bus connection to the ABB i-bus® KNX Rated voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C		
black	8136-500	8136-0-0002	1	black	6186 UP-500	6186-0-0021	1
					Flush-mounted wall box For Busch-ComfortTouch® For flush-mounted and hollow wall installation of the Busch-ComfortTouch® Dimensions: (L x W x D): 166 mm x 254 mm x 60 mm Installation depth: 60 mm		
				black	8136/UP-500	8136-0-0020	1
					Camera module For Busch-ComfortTouch® Camera module from chrome genuine material for 8136. For application expansion of live image coverage. For mounting on the upper edge of the Busch-ComfortTouch®. The camera module includes a mechanical slidable and undetachable closure in front of the optics. The detection angle of the camera is from outside adjustable by an attitude mechanism. Detection angle ±70° With anti-theft protection. Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm		
				chrome	NEW 8136/30-500	8136-0-0012	1
					Camera module For Busch-ComfortTouch® Camera module from aluminium genuine material for 8136. For application expansion of live image coverage. For mounting on the upper edge of the Busch-ComfortTouch®. The camera module includes a mechanical slidable and undetachable closure in front of the optics. The detection angle of the camera is from outside adjustable by an attitude mechanism. Detection angle ±70° With anti-theft protection. Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm		
				aluminium	NEW 8136/31-500	8136-0-0014	1
	Design styling frame For Busch-ComfortTouch® Design styling frame made from real glass black for 8136 Dimensions: (L x W x D): 200 mm x 300 mm x 14 mm						
glassblack	8136/20-500	8136-0-0004	1				
	Design styling frame For Busch-ComfortTouch® Design styling frame made from real glass white for 8136 Dimensions: (L x W x D): 200 mm x 300 mm x 14 mm						
glasswhite	8136/23-500	8136-0-0006	1				
	Design bar For Busch-ComfortTouch® Design bar made from real chrome for 8136 Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm						
chrome	8136/40-500	8136-0-0016	1				
	Design bar For Busch-ComfortTouch® Design bar made from real aluminium for 8136 Dimensions: (L x W x D): 22 mm x 300 mm x 26 mm						
aluminium	8136/41-500	8136-0-0018	1				

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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SMARTtouch Panel 1) 2) colour

Free programmable KNX touch display as room-integrated controlling, signalling and regulating unit. Can be combined with various design styling frames made of genuine materials. For displaying and operating up to 210 KNX standard functions (switching, dimming, blind control, showing measured values etc.), with scene function, macro recorder, presence simulation and timer programmes. Page display with 8 symbols, 10 or 5 touch buttons. With specially pre-configured media screens for controlling multimedia devices (in conjunction with auxiliary unit) via the KNX system. With user-defined menu structure. User-labelled touch screens with touch buttons with user-defined symbols. Call up functions directly via the touch button or via pop-up menu. Can be used as signalling station with acoustic feedback. Integrated single-room thermostat and IR reception. Control element: freely programmable touch surfaces
 Display elements: TFT Touch Display 320 x 240 pixels
 Connections:
 KNX-line: Screw/clamp terminal up to 1.5 mm²
 Rated voltage: 230 V~
 Rated frequency: 50 Hz
 Rated power: 12 W
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 45 °C
 Dimensions: (L x W x D): 179.9 mm x 214.8 mm x 69 mm
 Installation depth: 60 mm

NEW

6136/100 C-102-500 6136-0-0185 1

1) ETS programming only as of ETS 3.0 d
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.



SMARTtouch B&O 1) 2) BANG & OLUFSEN, colour

Free programmable KNX touch display as room-integrated controlling, signalling and regulating unit. Can be combined with various design styling frames made of genuine materials. The device can be controlled remotely using the BANG & OLUFSEN BEO 4 remote control. For displaying and operating up to 210 KNX standard functions (switching, dimming, blind control, showing measured values etc.), with scene function, macro recorder, presence simulation and timer programmes. Page display with 8 symbols, 10 or 5 touch buttons. With specially pre-configured media screens for controlling multimedia devices (in conjunction with auxiliary unit) via the KNX system. With user-defined menu structure. User-labelled touch screens with touch buttons with user-defined symbols. Call up functions directly via the touch button or via pop-up menu. Can be used as signalling station with acoustic feedback. Integrated single-room thermostat and IR reception. Control element: freely programmable touch surfaces
 Display elements: TFT Touch Display 320 x 240 pixels
 Connections:
 KNX-line: Screw/clamp terminal up to 1.5 mm²
 Rated voltage: 230 V~
 Rated frequency: 50 Hz
 Rated power: 12 W
 Protection class (Device): IP 20
 Temperature range (Device): 0 °C to 45 °C
 Dimensions: (L x W x D): 179.9 mm x 214.8 mm x 69 mm
 Installation depth: 60 mm

NEW

6136/100 CB-102 6136-0-0186 1

1) ETS programming only as of ETS 3.0 d
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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Design styling frame

For LEANtouch Panel/SMARTtouch Panel.

Design styling frame for 6136/100C-xxx, 6136/100CB-xxx . Materials: black glass with chrome flap. Dimensions: (L x W x D): 184.6 mm x 218 mm x 9 mm

glass black **6136/10-500** 6136-0-0139 1



Design styling frame

For LEANtouch Panel/SMARTtouch Panel.

Design styling frame for 6136/100C-xxx, 6136/100CB-xxx . Materials: black glass with aluminium flap. Dimensions: (L x W x D): 184.6 mm x 218 m x 9 mm

glass black **6136/11-500** 6136-0-0141 1



Design styling frame

For LEANtouch Panel/SMARTtouch Panel.

Design styling frame for 6136/100C-xxx, 6136/100CB-xxx . Materials: white glass with aluminium flap. Dimensions: (L x W x D): 184.6 mm x 218 m x 9 mm

6136/13-500 6136-0-0155 1



Flush-mounted wall box 1)

For flush-mounted and hollow-wall installation of the LEANtouch and SMARTtouch. Dimensions: (L x W x D): 163.5 mm x 199 mm x 60 mm
 Installation depth: 60 mm

6136/UP 6136-0-0124 1

1) Halogen free.



Flush-mounted bus coupler 1) 2)

For all alpha, solo® and Busch-triton® switch sensors and Presence detector KNX.

The bus connection is effected via the enclosed bus terminal.

Connections:
 KNX-line: Bus terminal
 Rated voltage: 24 V
 Rated current: 5 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 50 mm x 45 mm x 23 mm

6120 U-102-500 6120-0-0065 1/10

1) ETS programming only from ETS 2 V1.2.
 2) Not suited for Busch-*pr*On® and 6128-xx-102, 6124-xx-102.

Product	Article-No.	Order-No.	Pack/Qty
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**Flush-mounted switch actuator/sensor ^{1) 2)}
1-gang**

Bus coupler with switch contact for switching one load.
"Local operation" possible by clipping on a control cover, e.g. 6115-xxx-101, 6321-xxx, 6125-xx or the 6131-74-10x. Via other control covers, e.g. 6117-xxx-101 the contact can be switched using any switch cover and transmitted with the remaining switch covers
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: AC1
Rated current: 10 A, cos 1
Suitable for: AC3
Rated current: 10 AX, cos 0.6
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 48 mm x 44 mm x 35 mm



6110U-1 01-500 6151-0-0187 1/10

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) Not suited for Busch-prOn® and 6128-xx-102, 6124-xx-102.


**Flush-mounted switch/dim actuator ^{1) 2) 3) *)}
1-gang**

Bus coupler with 0 - 10 V output for dimming electronic ballasts.
"Local operation" possible by clipping on a control cover, e.g. 6115-xxx-101, 6321-xxx, 6125-xx or the Busch Watchdog Presence 6131-74-10x.
The bus connection is effected via the enclosed bus terminal.
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1x Normally open contact, potential-bound
Suitable for: AC1
Rated current: 10 A, cos 1
Suitable for: AC3
Rated current: 10 AX, cos 0.5
Control/Signal outputs: 1, electronic output, 0-10 V
Rated current: 50 mA
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 48 mm x 44 mm x 35 mm



6114U -500 6151-0-0177 1

- 1) ETS programming only from ETS 2 V1.2.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
3) Not suited for Busch-prOn® and 6128-xx-102, 6124-xx-102.
*) Phase-out type


**Flush-mounted Input/Sensor 6109 U-500 ^{1) 2) 3)}
5-gang**

Bus coupler with 5gang binary input
For flush mounted room thermostat 6134/10, 6124-xx and Busch Watchdog 180 flush mounted comfort sensor II
For connecting 5 potential free contacts with ready-made connecting cables.
For connecting conventional push buttons/switches.
Connecting cables extendable to max. 10 m.
Connections:
KNX-line: Bus terminal
Inputs: 5
Polling voltage: 5 V, is provided by the device
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 50 mm x 45 mm x 33 mm

6109U-50 0 6156-0-0056 1

- 1) ETS programming only from ETS 2 V1.2.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
3) Not suited for Busch-prOn® and 6128-xx-102, 6124-xx-102.

Product	Article-No.	Order-No.	Pack/Qty
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**Flush-mounted room thermostat ^{1) 2)}
Heating/cooling operation**

For ABB i-bus® KNX bus coupler 6120 U-10x-500, FM binary input/sensor 6109 U-500.
Room thermostat without "local operation"
For controlling commercially available valve drives.
For heating and cooling (PI, PWM or 2-point)
Can only be used with a cover plate 2114-xxx or 6541-xxx, with the exception of 6541-20, -21, -260 and -266.
Control element: None
Display elements: LED displaying operation modes
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 54 mm x 54 mm x 23 mm

6134/10 6134-0-0149 1

- 1) ETS programming only from ETS 2 V1.2.
2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


**Base for blind plate
for cover plate cooling element**

For ABB i-bus® KNX flush-mounted switch actuator/sensor 6110 U-10x and 6114 U.
Can be used in conjunction with a cover plate 2114-xxx or 6541-xxx as a blanking plate.

6930/01 6900-0-1664


**Cover plate
For cooling element**

For Busch-Universal master dimmer power module 6594 U.
For room thermostat 6134/10 and base for blind plate 6930/01.

Busch-Duro 2000® SI

212 white **2114-212** 6599-0-1193 10

214 alpine white **2114-214** 6599-0-0195 10


**Cover plate
For cooling element**

For Busch-Universal master dimmer power module 6594 U.
For room thermostat 6134/10 and base for blind plate 6930/01.

alpha exclusive®

22G ivory **6541-22G** 6599-0-2795 10
24G studio white **6541-24G** 6599-0-2332 10
233 amber *) **6541-233** 6599-0-2859 10
255 obsidian *) **6541-255** 6599-0-2862 10


alpha nea®

22G ivory **6541-22G** 6599-0-2795 10
24 studio white **6541-24** 6599-0-1557 10
24G studio white **6541-24G** 6599-0-2332 10
26 brown *) **6541-26** 6599-0-2276 10
28 hansa blue *) **6541-28** 6599-0-2357 10


impuls

71 brilliant black *) **6541-71** 6599-0-2647 10
74 alpine white **6541-74** 6599-0-2076 10
79 champagne metallic **6541-79** 6599-0-2142 10


*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	Cover plate For cooling element For Busch-Universal master dimmer power module 6594 U. For room thermostat 6134/10 and base for blind plate 6930/01. future®		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
89 stone/lightgrey *)	6541-89	6599-0-2866	10
	future® linear		
81 anthracite *)	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
89 stone/lightgrey *)	6541-89	6599-0-2866	10
83 aluminiumsilver *)	6541-83	6599-0-2885	10
	solo®		
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
85 manhattan/graphite *)	6541-85	6599-0-2838	10
86 samoa/light green *)	6541-86	6599-0-2841	10
87 toscana/purple	6541-87	6599-0-2844	10
88 attica/pigeon blue *)	6541-88	6599-0-2847	10
803 meteor/grey metallic	6541-803	6599-0-2940	10
815 sahara/yellow	6541-815	6599-0-2936	10
	Busch-axcent®		
84 davos/studio white	6541-84	6599-0-2835	10
	carat®		
81 anthracite *)	6541-81	6599-0-2882	10
82 savanna/ivory white	6541-82	6599-0-2832	10
84 davos/studio white	6541-84	6599-0-2835	10
	pure stainless steel		
866 stainlesssteel *)	6541-866	6599-0-2924	10

1) Surfacepainted.
*) Phase-out type


Product	Article-No.	Order-No.	Pack/Qty
	WaveLINE window position sensor For monitoring and transmission of the current window handle position (window open, closed, tilted). The WaveLINE window position sensor transmits the current window handle position immediately upon operation. Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment. Existing window handle is used. The WaveLINE window position sensor is installed between the existing window handle and window frame. Suitable for window handle: 7 mm square fastener, 43 mm attachment screw separation, lifter dia. 10 and 12 mm, max. mounting plate size 34 x 77 mm (WxH). No wire laying required. Accessories for assembly (square fastener extension, screws, adapter for lifter) of the WaveLINE window position sensor included in delivery. Battery included in delivery. Battery life: typically 5 years, therefore practically maintenance-free. Monitoring of battery life and transmission of battery condition. For LED display WaveLINE 6730-xxx. Range in free field: approx.100 m Send frequency: 868 MHz. Protection class (Device): IP 43 Temperature range (Device): -5 °C to 50 °C Dimensions: (L x W x D): 168 mm x 38 mm x 13 mm		
64 studio white	6720-64	6720-0-0001	1
65 basalt black	6720-65	6720-0-0002	1
66 stainless steel 1)	6720-66	6720-0-0003	1

1) Surface painted.


	WaveLINE universal sensor For monitoring and transmission of the state (open, closed) of dormer windows, skylights, doors and gates. For window surveillance with open fireplace and extractor hood pursuant to Article 4 of the German Fire Prevention Regulations. Additional connection option for an external, potential-free sensor (choice of normally closed or normally open contact). Isolated evaluation and monitoring of channels. The WaveLINE universal sensor immediately transmits the current information when there is a change in state. Addition cyclic transmission for monitoring of the transmission link and the fault-free state of equipment. Attachment of WaveLINE universal sensor and magnets by using adhesive foil or screws. Accessories (adhesive foil, screws, magnet) included in delivery. Battery included in delivery. Battery life: typically 5 years, therefore practically maintenance-free. Monitoring of battery life and transmission of battery condition. External sensor max. wire length: 5 m External sensor terminal connection diameter : 0.14...0.5 mm² (single wire) Range in free field: approx.100 m Send frequency: 868 MHz. For LED display WaveLINE 6730-xxx. For installation receiver WaveLINE 6701. Protection class (Device): IP 43 Temperature range (Device): -5 °C to 50 °C Dimensions: (L x W x D): 118 mm x 30 mm x 22 mm		
64 studio white	6721-64	6720-0-0004	1
65 basalt black	6721-65	6720-0-0005	1



Product	Article-No.	Order-No.	Pack/Qty
	KNX universal interface ¹⁾ 2gang The universal interface has 2 channels. These channels can be parameterised as an input or output using ETS. Conventional push-switches, auxiliary contacts, luminous diodes, and the ER/U electrical relay can be connected to the connecting lines. These lines can be extended up to 10 m. The contact scanning voltage and the feed voltage for the LEDs are provided by the device, and the series resistors for the LEDs are integrated. Connections: KNX-line: Bus terminal Inputs: 2 Polling voltage: 20 V Outputs: 2x electronic output, potential-bound Supply voltage: 5 V Rated current: 2 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm		
	US/U.2.2	GHQ6310074R0111	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


	KNX universal interface ¹⁾ 4gang The universal interface has 4 channels. These channels can be parameterised as an input or output using ETS. Conventional push-switches, auxiliary contacts, luminous diodes, and the ER/U electrical relay can be connected to the connecting lines. These lines can be extended up to 10 m. The contact scanning voltage and the feed voltage for the LEDs are provided by the device, and the series resistors for the LEDs are integrated. Connections: KNX-line: Bus terminal Inputs: 4 Polling voltage: 20 V Outputs: 2x electronic output, potential-bound Rated current: 2 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm		
	US/U.4.2	GHQ6310070R0111	


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


Product	Article-No.	Order-No.	Pack/Qty
	Universal interface 12gang The device has 12 channels that can be parameterised as individually as inputs or outputs through selection in the application program. Conventional push-switches, floating contacts, or luminous diodes can be connected. The contact scanning voltage of the contacts and the feed voltage for the LEDs are provided by the device. Series resistors for external luminous diodes are installed in the device. The universal interface is installed into a device connecting socket, 60 mm, in a flush-mounted manner. The following functions can be set according to input:- Any reaction to an edge at the output- Sending of switch/dimmer commands- Operation of dimmable lighting via a single push-switch- Operation of blinds via a single push-switch- Control and saving of light scenes- Sending any values to data types- Switching of several loads in fixed switching sequences- Generation of a PWM signal for a heating control system- Switching and flashing of LEDs. Channels: 12, can be parameterised individually as input or output; output scanning voltage: 20 V pulses; input current: 0.5 mA; output voltage of output: 3.3 V DC; output current: max. 2 mA, limited via series resistor; connection of inputs/outputs: 3x6 lines, approx. 30 cm long, plug-gable, extendable to a maximum of 10 m; bus connection: bus connecting terminal; dimensions (dia. x H): 54 x 19 mm; degree of protection: IP 20, EN 60529.		
	US/U 12.2	2CDG110065R0011	


	Heating actuator ¹⁾ 1-gang actuator 1 electronic output (noiseless) For connecting the thermoelectric valve drives TSA/K 230.1 or TSA/K 24.1 Per channel a maximum of 5 positioners can be connected in parallel 2 inputs for potential free contacts Connecting cables max. 10 m The bus connection is effected via the enclosed bus terminal. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Output voltage: 24 V~ Rated frequency: 50 Hz Outputs: 1x electronic output, potential free Suitable for: AC1 Rated current: 1 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -25 °C to 60 °C Dimensions: (L x W x D): 53 mm x 52 mm x 24 mm		
	 6164 U-500	6151-0-0168	1/10

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


Product	Article-No.	Order-No.	Pack/Qty
	Electrothermal Valve Drives 24 V The thermoelectric actuator is used to open and close valves in heating, air-conditioning, and ventilation systems. Actuation can take place, for example, using the electronic switch actuator (ABB Type ES/S) or the electronic relay (ABB Type ER/U) in combination with the universal interface (ABB Type US/U) and an ambient temperature controller. For plug-in mounting onto valves and heating circuit distributors, an appropriate valve adapter of the type VA/Z XX.1 is required. Design: Closed when de-energised; voltage: 24 V AC/DC; mounting: plug-in mounting in all installation positions; connecting line: pluggable 2 x 0.75 mm ² light-grey PVC, 1m; display elements: elevated display; housing: white RAL 9003; dimensions: 60 x 44 x 61 mm; degree of protection/protection class: IP 54 / II. Rated voltage: 24 V Protection class (Device): IP 54 Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm		
	TSA/K24.1	2CDG120008R0011	



	Electrothermal Valve Drives 230 V~ The thermoelectric actuator is used to open and close valves in heating, air-conditioning, and ventilation systems. Actuation can take place, for example, using the electronic switch actuator (ABB Type ES/S) or the electronic relay (ABB Type ER/U) in combination with the universal interface (ABB Type US/U) and an ambient temperature controller. For plug-in mounting onto valves and heating circuit distributors, an appropriate valve adapter of the type VA/Z XX.1 is required. Design: Closed when de-energised; voltage; voltage: 230 V AC; mounting: plug-in mounting in all installation positions; connecting line: pluggable 2 x 0.75 mm ² light-grey PVC, 1m; display elements: elevated display; housing: white RAL 9003; dimensions: 60 x 44 x 61 mm; degree of protection/protection class: IP 54 / II. Rated voltage: 230 V Protection class (Device): IP 54 Dimensions: (L x W x D): 60 mm x 44 mm x 61 mm		
	TSA/K 230.1	2CDG120007R0011	

	Electromotive actuator The electromotive actuator ST/K 1.1 is a proportional actuator for the control of heater valves via the KNX. The actuator is mounted to the bottom of the thermostat valve (common valve adapter included in delivery) and actuated via a constant KNX ambient temperature controller. In addition, the actual valve position is indicated by 5 LEDs. Two external inputs enable the connection of a presence detector and a window contact. Connections: KNX-line: Bus terminal Inputs: 2 Polling voltage: , Binary inputs; presence and/or window contact Protection class (Device): IP 21 Dimensions: (L x W x D): 82 mm x 50 mm x 65 mm		
	ST/K 1.1	2CDG120004R0011	

	Valve adapter (M 30 x 1.5) For Dumser, Chronatherm, Vestcal, KaMo.		
	VA/Z1 0.1	2CDG120009R0011	

Product	Article-No.	Order-No.	Pack/Qty
	Valve adapter (M 30 x 1.5) For Honeywell, Reich, Cazzaniga, Landis & Gyr. MNG.		
	VA/Z 50.1	2CDG120010R0011	
	Valve adapter (Flange) for Danfoss RA.		
	VA/Z 78.1	2CDG120011R0011	
	Valve adapter (M 30 x 1.5) For Heimeier, Herb, Onda, Schlösser (from 93 on), Oventrop.		
	VA/Z 80.1	2CDG120012R0011	

	Valve drive actuator, 6-gang, SM In connection with ambient temperature controllers, the 6-gang valve drive actuator controls up to 13 thermoelectric actuators (24V), maximum of 4 a channel. The device is suited for installation into heating circuit distributors, whereby the TRIACs enable a noiseless switching of the drives. The transformer (230V) has a mains switch for easy installation. Rated voltage: 230 V~, +10 % / -10 % Output voltage: 24 V~ Rated frequency: 50 Hz/60 Hz Outputs: 6x electronic output, potential free		
	VAA/A 6.241	2CDG120032R0011	

	Switch actuator 1) 1-gang actuator "Local operation" via flush mounted sensors or conventional push buttons (e.g. 2020 US/2021/6 UK) possible Connections: KNX-line: Bus terminal Rated voltage: 230 V, +10 % / -10 % Rated frequency: 50 Hz Inputs: 1 Outputs: 1x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Suitable for: AC3 Rated current: 10 AX, cos 0.5 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 42 mm x 240 mm x 32 mm		
	 6151 EB-500	6151-0-0021	1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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Switch actuator or blind actuator ¹⁾
2-gang switch actuator/1-gang blind actuator
 Switch actuator: "local operation" via flush mounted sensors and conventional push buttons (e.g. 2020 US-205) possible.
 Blind actuator: "local operation" via flush mounted sensors and conventional blind switch (e.g. 2020/4 US) possible.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V, +10 % / -10 %
 Rated frequency: 50 Hz
 Inputs: 2
 Outputs: 2x NO contact, 1 x floating
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Suitable for: AC3
 Rated current: 10 A, cos 0.5
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 42 mm x 240 mm x 32 mm

6152EB -101-500 6152-0-0029 1

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.



Switch/dimmer actuator ¹⁾ ²⁾
1-gang actuator
 For dimming electronic ballasts with 1-10 V interface.
 "Local operation" via flush mounted sensors or conventional push buttons (e.g. 2020 US/2021/6 UK) possible
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Inputs: 1
 Outputs: 1x Normally open contact, potential-bound
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Suitable for: AC3
 Rated current: 10 AX, cos 0.5
 Control/Signal outputs: 1, electronic output, 0-10 V
 Rated current: 50 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 42 mm x 240 mm x 32 mm

6153EB -500 6153-0-0027 1

1) No dimming possible using the connected extension button.
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal dimmer actuator ¹⁾ ²⁾ ³⁾ ⁴⁾
1-gang actuator
 For incandescent lamps, 230 V 40-315 W halogen lamps and low-voltage halogen lamps with conventional 100-315 VA transformer (cos >=0.95) or Busch 40-315 VA electronic transformers.
 Can be operated via KNX sensors.
 "Local operation" also via conventional push buttons (e.g. 2020 US/2021/6 UK) possible.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz
 Inputs: 1
 Outputs: 1x electronic output, potential-bound
 Suitable for: 230 V incandescent lamps/230 V halogen lamps
 Rated power: 40 - 315 W/VA
 Suitable for: electronic transformers with LV halogen lamps
 Rated power: 40 - 315 W/VA
 Suitable for: conventional transformers with LV halogen lamps
 Rated power: 100 - 315 W/VA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 42 mm x 240 mm x 32 mm

6155 EB-101-500 6151-0-0062 1

1) No dimming possible using the connected extension button.
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 3) Not for dimmable electronic ballasts.
 4) In the case of conventional transformers, take ~20% transformer loss into account.



Room controller basic unit ¹⁾
for 8 modules
 The basic room controller unit RC/A 8.1 accommodates up to 8 plug-in modules. It controls their function and communicates via ABB i-bus® KNX as a bus station. Any module type can be inserted into every slot. The insert module is automatically detected and connected to the supply and feed voltages. The hand control unit permits an immediate function test, even without applied bus voltage.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V, +10 % / -10 %
 Rated frequency: 50 Hz
 Protection class (Device): IP 54
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 270 mm x 316 mm x 50 mm

RC/A 8.1 2CDG110001R0011


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.




Switch actuator module ¹⁾
2-gang, 6 A
 Module for insertion into the basic room controller unit. With two relays, it controls current intensities up to 16 A. The maximum continuous current amounts to 6 A.
 Rated voltage: 230 V
 Rated frequency: 50 Hz
 Outputs: 2x Normally open contact
 Suitable for: AC1/AC3
 Rated current: 6 A
 Protection class (Device): IP 20
 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

SA/M 2.6.1 2CDG110002R0011


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
	Blind actuator module 1) 2-gang, 230 V AC Module for insertion into the basic room controller unit. It controls two independent blind or roller shutter drives at 115/230 V AC. Special functions: Positioning and automatic sun protection function Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Change-over switch Suitable for: AC1 Rated current: 6 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	JA/M2.2 30.1	2CDG110003R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

	Blind actuator module 1) 2-gang, 24 V DC Module for insertion into the basic room controller unit. It controls two independent blind or roller shutter drives at 24 V DC. Special functions: Positioning and automatic sun protection function Rated voltage: 24 V Outputs: 2x Change-over switch Suitable for: DC Rated current: 6 A Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	JA/M2.2 4.1	2CDG110004R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


	Switch/dimmer actuator module 1) 2-gang, 6 A Module for insertion into the basic room controller unit. It enables the switching and dimming of two lamp groups in conjunction with electronic ballast units of 1 to 10 V control voltage. Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A Output voltage: 230 V~ Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	SD/M2.6.1	2CDG110010R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


Product	Article-No.	Order-No.	Pack/Qty
	Light regulating module 1) 1-gang, 6 A Module for insertion into the basic room controller unit. It permits the switching and dimming of a lamp group of 1 to 10 V control voltage. In conjunction with a LF/U 1.1 light sensor, the device can be used for constant light regulation. Rated voltage: 230 V Rated frequency: 50 Hz Outputs: 1x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A Output voltage: 230 V~ Control/Signal outputs: 1, electronic output, 0-10 V Rated current: 30 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	LR/M 1.6.1	2CDG110011R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


	Light sensor The light sensor is used in conjunction with the LR/M 1.6.1 light controller for constant light regulation. Connection is via terminal (included). Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 20 mm x 54 mm		
	LF/U 1.1	GHQ6310039R0111	

	Binary input module 1) 4-gang, 115/230 V Module for insertion into the basic room controller unit. It has 4 inputs for connecting 115/230 V contacts (AC or DC). The voltage is provided by the module. Inputs: 4 Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	BE/M 4.230.1	2CDG110005R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

	Binary input module 1) 4-gang, 12/24 V Module for insertion into the basic room controller unit. It has 4 inputs for connecting 12/24 V contacts (AC or DC). The voltage must be provided externally. Inputs: 4 Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	BE/M 4.24.1	2CDG110006R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

	Binary input module 1) 4-gang Module for insertion into the basic room controller unit. It has 4 outputs for connecting floating contacts. The scanning voltage is provided by the device. Polling voltage: 12 V, potential-separated Protection class (Device): IP 20 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm		
	BE/M 4.12.1	2CDG110007R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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**Universal dimmer actuator module 1) 2) 3)
1-gang, 300 VA**

Module for insertion into the basic room controller unit. It dims incandescent lamps, 230 V halogen lamps, or low-voltage halogen lamps with up to 300 W/VA. Suited for various load types (automatic load detection). To a large extent, the device compensates for ripple control signals and voltage fluctuations. The minimum load amounts to only 2 W.
 Rated voltage: 230 V
 Rated frequency: 50 Hz
 Outputs: 1x electronic output, potential-bound
 Suitable for: 230 V incandescent lamps/230 V halogen lamps
 Rated power: 300 W/VA
 Suitable for: 127 V incandescent lamps/127 V halogen lamps
 Rated power: 150 W/VA
 Protection class (Device): IP 20
 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

UD/M1 .300.1 2CDG110012R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) Not for dimmable electronic ballasts.
- 3) In the case of conventional transformers, take ~20% transformer loss into account.


**Electronic switch actuator module 1)
2-gang, 115/230 V**

Module for insertion into the basic room controller unit. It has two overload-proof, noiseless, and non-wearing outputs. They control heating systems and chilled ceilings using electrothermal actuators with a voltage of 230 V AC, max. 700 mA continuous current.
 Rated voltage: 230 V
 Rated frequency: 50 Hz
 Outputs: 2x electronic output, potential-bound, 230 V~
 Rated current: 0.7 A, cos 1
 Protection class (Device): IP 20
 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

ES/M 2.230.1 2CDG110013R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.


**Electronic switch actuator module 1)
2-gang, 24 V**

Module for insertion into the basic room controller unit. It has two overload-proof, noiseless, and non-wearing outputs. They control heating systems and chilled ceilings using electrothermal actuators with a voltage of 12/24 V AC/AC, max. 700 mA continuous current.
 Rated voltage: 24 V
 Rated frequency: 50 Hz
 Outputs: 2x electronic output, potential-bound, 230 V~
 Rated current: 0.7 A, cos 1
 Protection class (Device): IP 20
 Dimensions: (L x W x D): 49 mm x 42 mm x 93 mm

ES/M 2.24.1 2CDG110014R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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Room Master, Basic, MDRC

The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form: • Lighting control • Heating/cooling control • Shading control (using blinds or curtains) • Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised.

Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Inputs: 8
 Polling voltage: 19 V, potential-separated
 Outputs: 8x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 6 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 module width: 8 MW


RM/S 1.1 2CDG110094R0011

Room Master, Premium, MDRC


The Room Master opens up new possibilities for objects for which rooms with living areas and bathroom are controlled and can be used efficiently. Room Master was developed for these rooms, which can be typically found in hotels, hospitals, sheltered housing for senior citizens, and student dormitories. It meets all requirements on the electrical installation of this application and offers the following functions in a compact form: • Lighting control • Heating/cooling control • Shading control (using blinds or curtains) • Switching of socket outlets and loads. Due to the communication of the devices via the KNX bus, the centralised control functions and emergency calls from the rooms to a central unit can be realised.

Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Inputs: 13
 Polling voltage: 19 V, potential-separated
 Outputs: 18x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 6 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm
 Installation depth: 68 mm
 module width: 12 MW


RM/S 2.1 2CDG110095R0011

Product	Article-No.	Order-No.	Pack/Qty
 <p>Surface-mounted blind actuator or switch actuator 1) *) 2/1gang Blind actuator: 1 group with 2 blinds "Local operation" via flush mounted sensors or conventional push buttons (e.g. 2020/4 US) possible Switch actuator: 2 outputs "Local operation" via flush mounted sensors or conventional push buttons (e.g. 2020 US-205) possible Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Inputs: 2 Outputs: 2x Normally open contact Suitable for: Operation mode Switching Rated current: 10 A, cos 0.5 Suitable for: Operation mode Blind Rated current: 4 A, cos 0.5 Protection class (Device): IP 54 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 105 mm x 150 mm x 50 mm</p> <p>⚙️ 🔌 ⚡ ⚠️ Ⓜ️</p> <p>6172 AG-101-500 6151-0-0153 1</p>			


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 *) Phase-ou t type

 <p>Surface-mounted combined actuator 1) *) 4gang 4gang switch actuator: 3x 6 AX, cos 0.5 1x 2 AX, cos 0.5 2 x 2gang blind actuator or combination 2gang switch actuator and 1 x 2gang blind actuator There are 4 multi-way input terminals available for conventional push buttons, alternatively 4 x 230 V~ or 4 x 24 V binary input contacts Connections: KNX-line: DP screw/clamp terminals Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz Inputs: 4 Polling voltage: 230 V~, alternative 24 V~/~, internally or externally, no mixed operation permissible Outputs: 4x Change-over contacts/normally open contact, potential-bound Supply voltage: 230 V Suitable for: Operation mode Switching 3 channels a Rated current: 10 A, cos 0.5 Output voltage: 230 V~ Suitable for: Operation mode Switching 1 channel a Rated current: 2 A, cos 0.5 Output voltage: 230 V~ Suitable for: Operation mode Blind Rated current: 4 A, cos 0.5 Output voltage: 230 V~ Protection class (Device): IP 54 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 187 mm x 160 mm x 49 mm</p> <p>⚙️ 🔌 ⚡ ⚠️ Ⓜ️</p> <p>6173 AG-101-500 6151-0-0138 1</p>			
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1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 *) Phase-ou t type

Product	Article-No.	Order-No.	Pack/Qty
 <p>Binary input 1) 2) 4gang The device detects four 230 V AC/DC signals. The input state is displayed using 4 yellow LEDs. The binary inputs enable the detection of 4 independent input signals. For each channel, the devices have a button for manual operation. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is effected via the enclosed bus terminal. Control element: LED red Display elements: 4 yellow LEDs Connections: KNX-line: Bus terminal Inputs: 4 Polling voltage: , potential-separated Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm module width: 2 MW</p> <p>BE/S 4.230.1 2CDG110051R0011</p>			

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

 <p>Binary input 1) 2) 4gang The device detects four 24 V AC/DC signals. The input state is displayed using 4 yellow LEDs. The binary inputs enable the detection of 4 independent input signals. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is made via a bus terminal. Control element: LED red Display elements: 4 yellow LEDs Connections: KNX-line: Bus terminal Inputs: 4 Polling voltage: , potential-separated Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm module width: 2 MW</p> <p>BE/S 4.24.1 2CDG110052R0011</p>			
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1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

 <p>Binary input 1) 2) 4-gang The device scans 4 floating contacts with internally created scanning voltage. The input state is displayed using 4 yellow LEDs. The binary inputs enable the detection of 4 independent input signals. For each channel, the devices have a button for manual operation. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is made via a bus terminal. Control element: LED red Display elements: 4 yellow LEDs Connections: KNX-line: Bus terminal Inputs: 4 Polling voltage: 19 V, potential-separated Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm module width: 2 MW</p> <p>BE/S 4.20.1 2CDG110053R0011</p>			
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1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Binary input 1) 2)
8gang**

The device detects eight 230 V AC/DC signals. The input state is displayed using 8 yellow LEDs. The binary inputs enable the detection of 8 independent input signals. For each channel, the devices have a button for manual operation. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is made via a bus terminal. Control element: LED red
Display elements: 8 yellow LEDs
Connections:
KNX-line: Bus terminal
Inputs: 8
Polling voltage: , potential-separated
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
module width: 4 MW

BE/S8.230.1 2CDG110054R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.


**Binary input 1) 2)
8gang**

The device detects eight 24 V AC/DC signals. The input state is displayed using 8 yellow LEDs. The binary inputs enable the detection of 8 independent input signals. For each channel, the devices have a button for manual operation. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is made via a bus terminal. Control element: LED red
Display elements: 8 yellow LEDs
Connections:
KNX-line: Bus terminal
Inputs: 8
Polling voltage: , potential-separated
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
module width: 4 MW

BE/S8.24.1 2CDG110055R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Binary input 1) 2)
8-gang**

The device scans 8 floating contacts with internally created scanning voltage. The input state is displayed using 8 yellow LEDs. The binary inputs enable the detection of 8 independent input signals. For each channel, the devices have a button for manual operation. The devices are supplied via ABB i-bus® KNX and require no additional power supply. The bus connection is made via a bus terminal. Control element: LED red
Display elements: 8 yellow LEDs
Connections:
KNX-line: Bus terminal
Inputs: 8
Polling voltage: 19 V, potential-separated
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
module width: 4 MW

BE/S 8.20.1 2CDG110056R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.


Analog input, 2-gang, SM

Can be used wherever analogue variables are to be recorded in a decentralised manner. The sophisticated case design enables fast, clear wiring and thus a fast connection of sensors. Extensive adjustment possibilities for a number of typical sensors (1 – 10 V, 0(4) – 20 mA, 0 – 1 V, PT 100, PT 1000, etc.) for detecting temperature, brightness, filling level, etc. For active sensors, a separate auxiliary power supply is required. Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Inputs: 2
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C

AE/A 2.1 2CDG110086R0011


**Analog input
4gang**

The 4-gang analogue input is used for the recording and processing of analogue variables. The 4 measuring channels can be configured for various current or voltage signals, such as 0 to 20 mA, 0 to 1 V, and 0 to 10 V. The device requires a 230 V AC power supply. The voltage for the supply of the sensors is provided by the device. Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~ / -30 %
Rated frequency: 50 Hz/60 Hz
Inputs: 4
Outputs: 1x Auxiliary voltage output for sensor supply
Rated current: 300 mA
Output voltage: 24 V~
Protection class (Device): IP 20
module width: 4 MW

AE/S 4.2 2CDG110030R0011

Product	Article-No.	Order-No.	Pack/Qty
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**Timer 1) 2)
2-channel**

The timer with the week program controls electrical load groups in a time-controls manner via ABB i-bus® KNX. Every channel can switch a load group on or off or transmit a brightness value to a dimmer actuator. 24 memory locations with free block structure of the weekdays.
Control element: Keyboard
Display elements: LCD display
Connections:
KNX-line: Bus terminal
Outputs: 2
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 86 mm x 36 mm x 65.5 mm
module width: 2 MW

SW/S2.5 GHQ6050062R0001

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.



**Timer 1) 2)
4-channel**

The timer with the day, week, and year program controls electrical load groups using ABB i-bus® KNX independent of time. The time and date are sent to other bus devices on ABB i-bus® KNX for synchronisation. Every channel can switch a load group on or off or transmit a brightness value to a dimmer actuator. The switch times can be programmed on the clock or on the computer in conjunction with the PK/E 1.1 memory card and the PS/E 1.1 programming set.
Power reserve: approx. 1.5 years
Battery type: lithium CR2450, 3 V
The bus connection is effected via the enclosed bus terminal.
Control element: 15 set keys
Display elements: 1 LCD
Connections:
KNX-line: Bus terminal
Outputs: 4
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 86 mm x 108 mm x 64 mm
Installation depth: 68 mm
module width: 6 MW

SW/S4.5 GHQ6050061R0001

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Radio Time Switch, MDRC (prepared for DCF) 1) 2)
4-channel**

For time-dependent switching and dimming of KNX actuators and for time/date transmission. Radio-controlled in conjunction with supplementary aerial FA/A 2.1.
Power pack for DCF reception is integrated. Programming on the timer or with PC (programming set). Data transfer and data protection possible using optional memory card.
Memory locations: 324 (free block-formation)
Power reserve: approx. 1.5 years
Battery type: lithium CR2450, 3 V
The bus connection is effected via the enclosed bus terminal.
Control element: Keyboard
Display elements: LCD display
Connections:
KNX-line: Bus terminal
Outputs: 4
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 86 mm x 108 mm x 64 mm
Installation depth: 68 mm
module width: 6 MW

FW/S 4.5 GHQ6050060R0001

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.



Antenna for wireless timer

Antenna for connection to the radio timer FW/S 4.5. The time signal of the DCF 77 transmitter can be received within a 1000km radius of Frankfurt am Main, Germany.
Display elements: Operating LED
Rated voltage: 12 V
Protection class (Device): IP 54
Temperature range (Device): -20 °C to 70 °C
Dimensions: (L x W x D): 64 mm x 98 mm x 34 mm
Installation depth: 79 mm

FA/A 2.1 GHQ6050031R0021



Programming set

The programming set contains a CD-ROM with the Obelisk software for the creation of switching programs for the SW/S 4.5 and FW/S 4.5 timers, a PK/E 1.1 memory card for the transfer of the switching programs and data backup, a programming adapter for the memory card for connection to a computer (RS232), and a manual.


PS/E 1.1 GHQ6001942R0001



Memory card

For the transfer of the switch programs and data backup for the SW/S 4.5 and FW/S 4.5 timers.


PK/E 1.1 GHQ6001943R0001

Product	Article-No.	Order-No.	Pack/Qty
	DCF time transmitter ^{1) 2) 3)} 2-channel For transmitting time and date to the KNX bus. For synchronising other bus devices. With automatic changeover between summer/winter time. Can be operated with or without DCF aerial. Power pack for DCF reception is integrated. Radio-controlled in conjunction with supplementary aerial FA/A 2.1. Power reserve: approx. 10 years The bus connection is effected via the enclosed bus terminal. Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -10 °C to 50 °C Dimensions: (L x W x D): 86 mm x 35 mm x 65.5 mm module width: 2 MW 		
	6145/10	6140-0-0027	1


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.
 3) Documentation only available in German.

	Light sensor ^{1) 2)} 3-channel Controls the lighting dependent on daylight using ABB i-bus®KNX X. Applications can be set as twilight switches (1 to 100 lx) or light value switches (100 to 20 000 lx) during the parameterisation of the device. The light sensor is included in delivery. Connections: KNX-line: Bus terminal Inputs: 1 Brightness limit value: 1 Lux - 20000 Lux Protection class (Device): IP 20 Protection class (Sensor): IP 54 Temperature range (Device): -5 °C to 45 °C Temperature range (Sensor): -40 °C to 70 °C Dimensions: (L x W x D): 45 mm x 36 mm x 65.5 mm module width: 2 MW 		
	HS/S3.1	GHQ6050063R0001	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

	Brightness, temperature switch ^{1) 2)} 3gang For detecting and controlling the brightness and temperature. Threshold switch for controlling switching, dimming and blind actuators depending on the ambient brightness and/or temperature. Ability to disable one or more threshold switches. The bus connection is made via a bus terminal. Connections: KNX-line: Bus terminal Inputs: 2 Brightness limit value: 1 Lux - 100000 Lux Protection class (Device): IP 54 Temperature range (Device): -25 °C to 55 °C Dimensions: (L x W x D): 110 mm x 72 mm x 54 mm 		
	6146/10	6146-0-0022	1


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) Documentation only available in German.


Product	Article-No.	Order-No.	Pack/Qty
	Weather station ^{1) 2)} 4gang The WS/S 4.1 weather station enables the recording and processing of four independent, analogue input signals according to DIN IEC 60381 (0-1 V, 0-5 V, 0-10 V, 1-10 V, 0-20 mA, 4-20 mA, 0-1000 Ohm, PT 100 in 2-conductor technology and floating contact). A power pack with 24 V DC voltage has been integrated to supply the sensors. The device can alternatively be operated with an operating voltage of 115 to 230 V AC, 50/60 Hz. A maximum of 300 mA is available across the entire voltage range. The application software is suited for the recording of weather data. Connections: KNX-line: Bus terminal Rated voltage: 24 V~, +15 % / -15 % Secondary: 24 V Inputs: 4 Polling voltage: , Input resistance approx. 18 kOhm Outputs: 2 Rated current: 100 mA Output voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 58 mm Installation depth: 68 mm module width: 4 MW 		
	WS/S 4.1	2CDG110032R0011	

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


	Weather unit ^{1) 2)} The WZ/S 1.1 detects and processes weather data it receives from the weather sensor. The weather sensor supplies data on twilight, brightness in three directions, rain, temperature, information on day/night, wind speeds, and time and date. The WZ/S 1.1 weather station is adapted to the WES/A weather sensor. The weather sensor is directly supplied with power via the integrated power pack. The device can alternatively be operated with an operating voltage of 115 to 230 V AC, 50/60 Hz. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Inputs: 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 58 mm Installation depth: 68 mm module width: 4 MW 		
	WZ/S 1.1	2CDG110034R0011	

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


	Weather sensor The WES/A 1.1 records data on twilight, brightness in three directions, rain (upper sensor surface permanently heated, lower sensor surface for temperatures < 10° or precipitation), temperature, information on day/night, wind speeds, and time and date (DCF radio receiver). An additional heating transformer is not required. The WES/A 1.1 weather unit is adapted to the WZ/S weather sensor. Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 80 mm x 67 mm x 125 mm		
	WES/A 1.1	2CDG120003R0011	

Product	Article-No.	Order-No.	Pack/Qty
 <p>Wind velocity transmitter ¹⁾ linear For Weather Station 6190/40 WS/S 4.1. Serves for converting the detected wind velocity (0.7-40 m/s) into electrical signals (0-10 V). With PTC heating element for winter operation (in combination with filament transformer 6190/49). Incl. 3 m supply lead LIYY 6 x 0.25 mm² Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -25 °C to 60 °C Dimensions: (L x W x D): 160 mm x 124 mm</p>	6190/41	6190-0-0031	1


1) The technical documentation is available only in German.

 <p>Temperature-value transmitter ¹⁾ linear For Weather Station 6190/40 WS/S 4.1. Serves for converting the measured temperature (-30 to +70 degrees) into electrical signals (0-10 V). Recommended supply lead 3 x 0.25 mm² (max. 100 m) Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 58 mm x 83 mm x 35 mm</p>	6190/42	6190-0-0032	1
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1) The technical documentation is available only in German.

 <p>Rain sensor ¹⁾ linear For Weather Station 6190/40 WS/S 4.1. Serves for converting the detected rain into electrical signals (0 V=dry - 10 V=rain). Heating 6190/49 required Incl. 3 m supply lead LIYY 5 x 0.25 mm² Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 58 mm x 83 mm x 17 mm</p>	6190/43	6190-0-0033	1
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1) The technical documentation is available only in German.

 <p>Dusk-value transmitter ¹⁾ linear For Weather Station 6190/40 WS/S 4.1. Serves for converting the measured light value (0-255 lux) into electrical signals (0-10 V). Surface mounting box IP 65 Recommended supply lead 3 x 0.25 mm² (max. 100 m) Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 58 mm x 83 mm x 35 mm</p>	6190/44	6190-0-0034	1
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1) The technical documentation is available only in German.


Product	Article-No.	Order-No.	Pack/Qty
 <p>Brightness-value transmitter ¹⁾ linear For Weather Station 6190/40 WS/S 4.1. Serves for converting the measured light value (3,000-60,000 lux) into electrical signals (0-10 V). Surface mounting box IP 65 Recommended supply lead 3 x 0.25 mm² (max. 100 m) Rated voltage: 24 V~, +8 V / -6 V Polling voltage: , 0 - 10 V to GND at 1 kOhm minimum load impedance Protection class (Device): IP 65 Temperature range (Device): -30 °C to 70 °C Dimensions: (L x W x D): 83 mm x 58 mm x 35 mm</p>	6190/45	6190-0-0035	1


1) The technical documentation is available only in German.

 <p>Filament transformer ^{1) 2)} 2-channel For wind and/or rain sensor 6190/41 and 6190/43. Output: 24 V~, max. 1A SELV Also suitable for supplying up to 5 thermoelectric valve drives 24 V, TSA/K 24.1. For power supply to weather station WS/S 4.1. Rated voltage: 230 V~, +10 % / -15 % Secondary: 24 V~ Rated frequency: 50 Hz/60 Hz Outputs: 2x Secondary outputs, 24 V~ Rated current: 500 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 40 °C Dimensions: (L x W x D): 90 mm x 70 mm x 58 mm module width: 4 MW</p>	6190/49-101	6190-0-0040	1
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1) 1 MW 18 mm.


2) The technical documentation is available only in German.

 <p>Blind control module Controls blind actuators according to the position of the sun via ABB i-bus® KNX. The blind control module has shading and daylight control functions for up to 4 facades. Objects that create shadows can be taken into consideration. Connections: KNX-line: Bus terminal Protection class (Device): IP 20 module width: 2 MW</p>	JSB/S 1.1	GHQ6310084R0111	
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 <p>Security module ^{1) 2)} MDRC In small and medium-sized KNX installations the security module provides logic functions that link the different KNX devices (e.g. detector group terminals, movement detectors, etc.) to an alarm/signalling system. Up to 64 different detector groups can be evaluated. The device has three LEDs for displaying the operating condition and a freely controllable relay output to which a signal transducer, for example, can be connected. In addition, the device has an internal buzzer. A buffered KNX power supply is recommended. Connections: KNX-line: Bus terminal Rated voltage: 24 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 61 mm module width: 2 MW</p>	SCM/S 1.1	2CDG110024R0011	
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1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

2) 1 MW 18 mm.


Product	Article-No.	Order-No.	Pack/Qty
	Diagnosis and protection module ¹⁾ The diagnosis and protection module DSM/S enables a fast diagnosis of the bus state and indicates telegram traffic via an LED. Using the NC and NO contacts, a bus failure (U<Umin) can be indicated. The DSM/S also contains a suppressor diode that limits the short-time overvoltages and fault voltage peaks to the KNX. Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	DSM/S 1.1		2CDG110060R0011


1) 1 MW 18 mm.


	Interface for central break-in detection units, MDRC For professional applications, the main break-in detector unit L240 with numerous sensors for all monitoring tasks and convenient SafeKey alarm-setting unit provides a universal solution. Integration into KNX systems is possible via the XS/S 1.1 interface. Numerous advantages result: when unset, for example, an open state detector can also shut down the heating to save energy. In case an alarm is triggered, KNX stations can also perform actions, like switch on the light or actuate the roller shutters. This interaction offers additional advantages in system integration, which also continue to fulfil the requirements of the VdS (Vertrauen durch Sicherheit - Trust Through Security Association) up to Class C.		
	XS/S1.1		2CDG110075R0011

	Zone terminal, MDRC ¹⁾ ²⁾ 4gang This is used for the monitored connection of passive detectors (like magnetic contacts or glass break sensors) on ABB i-bus® KNX and/or for the connection of other floating contacts in applications with increased security requirements. The device has 4 detector group inputs whose states are indicated using 4 LEDs. Two "Walk Test" and "Set/Unset" 12V outputs enable the actuation of conventional passive infrared detectors. The device requires an external power supply of 12V DC, e.g. NT/S 12.1600. Typical applications are the monitoring of doors and windows to see if they are open or for broken glass, the monitoring of rooms using movement detectors, and local and remote alarm indication. Display elements: 6 LEDs yellow Connections: KNX-line: Bus terminal Rated voltage: 12 V, +15 % / -15 % Inputs: 4 Polling voltage: , Cable length only restricted by max. cable resistance of 200 Ohm Control/Signal outputs: 2, Normally open contact, potential-bound Output voltage: 12 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm module width: 4 MW		
	MT/S4.12.1		GHQ6310027R0111


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


Product	Article-No.	Order-No.	Pack/Qty
	Zone terminal, FM 2gang The device is used for the monitored connection of passive detectors, like magnetic contacts, passive infrared detectors, or glass break sensors. It has 2 detector group inputs to which several detectors can be connected. Two "Walk Test" and "Set/Unset" 12V outputs enable the actuation of conventional passive infrared detectors. The device can be flush-mounted in an installation socket with a diameter of 55 mm. The device requires an external power supply of 12V DC, e.g. NT/S 12.1600. Typical applications are the monitoring of doors and windows to see if they are open or for broken glass, the monitoring of rooms using movement detectors, and local and remote alarm indication. Inputs: 2 Polling voltage: , Detector groups, primary lines with 2.7 kOhm terminal resistance Protection class (Device): IP 20 Dimensions: (L x W x D): 54 mm x 54 mm x 28 mm		
	MT/U 2.12.1		GHQ6310060R0111

	Magnet reed contact set For monitoring the opening of windows and doors, complete, for screw-on or drilling. Contents: 1 magnet, 1 reed contact with LIVY 4 x 0.14 mm ² 4 m connecting cable, 2 cases, 2 spacer plates, 2 flanges, 4 anti-magnetic fastening screws.		
	white brown	MRS/W MRS/B	GHQ3201972R0001 GHQ3201972R0002

	Magnet reed contact saver set ¹⁾ For monitoring the opening of windows and doors, complete, for screw-on or drilling. Contents: 20 magnets, 20 reed contacts with LIVY 4 x 0.14 mm ² 4 m connecting cable, 40 cases, 40 spacer plates, 40 flanges, 80 anti-magnetic fastening screws.		
	white brown	VMRS/W VMRS/B	GHQ3201972R0011 GHQ3201972R0012

1) picture deviating

	Glass break sensors For the monitoring of the glass surfaces of windows, shop windows and doors, high interference immunity, integrated memory display. Extremely small dimensions. Dimensions: (H x W x D) 18 x 18 x 9 mm. It is mounted to glass using Loctite adhesive (LKS). With 5 m connecting cable.		
	white brown	SPGS/W SPGS/B	GH- V9220004V0009 GH- V9220004V0010

	Vibration alarm The electronic vibration detector has an LED display. The sensitivity is individually adjustable. The LIVY 4 x 0.14 mm ² connecting cable is 4 m long. It is mounted to glass using Loctite adhesive (LKS).		
	white brown	EMA/W EMA/B	GH- V9220009V0003 GH- V9220009V0004

Product	Article-No.	Order-No.	Pack/Qty
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Bolt switch contact
For installation into a face plate, used to monitor the closure of doors.
Watertight IP 67
With LIVY 3 x 0.14 mm² 2.5 m connecting cable.

WRK/W GH-V9250022V0005



Lock monitoring for windows
The closure is monitored using a special magnet and a reed contact.
The magnet is installed onto the push rod of the window sash, and the reed contact is mounted on the frame.
The LIVY 4 x 0.14 mm² connecting cable is 4 m long.

VSUE GH-V9210018V0022



Data logging unit, MDRC 1)
The data logging unit BDB/S 1.1 is a KNX device for serial installation with 2 MW module widths. The device is used for the recording of switch play and operating hours, for example, of 35 switch actuator channels. In addition, limits can be set. If the limits are exceeded, alarm messages are transmitted on the bus. The BDB/S 1.1 is supplied by the ABB i-bus® KNX and requires no additional power supply. The bus is connected through a bus connecting terminal located on the front of the unit.
Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
Installation depth: 68 mm
module width: 2 MW

BDB/S 1.1 2CDG110067R0011

1) 1 MW 18 mm.



Meter interface unit, MDRC 1)
The meter unit module records consumption and measured values of electrical power consumption counters via ABB i-bus®. The device has an infrared interface by means of which ABB can read power consumption counters of the types DELTAplus, DELTAsingle, and ODIN respectively. The read information and data, for example, can be used for cost centre accounting, power optimisation, visualisation, or installation monitoring.
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 2 MW

ZS/S 1.1 2CDG110083R0011

1) 1 MW 18 mm.



Power module *) 3-channel
The SM/S 3.16.30 current module permits the measurement of load and/or fault currents.
For this purpose, it has 3 floating, independent power or measuring circuits.
The current load and fault current value can be transmitted as a 1-byte telegram via ABB i-bus®KNX.
In addition, 2-bit switch programs can be transmitted via ABB i-bus® KNX when parameterised threshold values are exceeded or undershot.
Inputs: 3
Protection class (Device): IP 20
module width: 4 MW

SM/S 3.16.30 GHQ6310034R0111

*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Fault monitoring unit, MDRC
The fault monitoring unit SMB/S 1.1 is used to detect up to 100 fault messages via ABB i-bus® KNX.
The fault messages are prepared in the module and can be passed on to a display.
In addition, an optical and acoustic collective message is available on the bus.
Messages can be acknowledged and data losses can be indicated.
The SMB/S 1.1 supports the following message types defined in DIN 19 235: indication with continuous light, new value indication with light that flashes once, new value indication with one-time acknowledgement, and motor indication. Current values can be scanned in a centralised manner.
Connections:
KNX-line: Bus terminal
Protection class (Device): IP 20
module width: 2 MW

SMB/S 1.1 GHQ6310085R0111



Monitoring unit, MDRC
The KNX monitoring unit EUB/S 1.1 is used to monitor up to 100 bus stations in ABB i-bus® KNX installations.
Bus stations are monitored for existence and minimum functionality.
For this purpose, four types of monitoring are available.
Individual bus subscribers can be collected in up to 5 groups for monitoring purposes.
Bus connection: via bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60715; width: 2 modules with 18 mm each; degree of protection: IP20 DIN EN 60529.
Connections:
KNX-line: Bus terminal
Protection class (Device): IP 20
module width: 2 MW

EUB/S 1.1 2CDG110066R0011




Universal I/O concentrator 1)
The universal I/O concentrator is used to connect push-switches or signal lamps to ABB i-bus®, e.g. in an operating/display panel. It has 32 channels, which are freely parameterisable as inputs or outputs using ETS. The device needs an external auxiliary voltage of 12 V DC or 24 V DC, e.g. NT/S 24,800.
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

UK/S 32.2 2CDG110071R0011


1) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Power pack 12 V ¹⁾ 1600 mA A universally used power pack for the auxiliary voltage in KNX systems or other SELV applications. The compact device in pro M design provides a regulated output voltage of 12 V DC with a maximum output current of 1.6 A. The device is protected against overload and the output is permanently short-circuit protected. The status of the supply and output voltages is indicated via 2 LEDs. Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V, +10 % / -15 % Output voltage: 12 V, +1 % / -1 % Rated frequency: 50 Hz/60 Hz Rated current: 1600 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm module width: 4 MW		
	NT/S12.160 0	GHQ6050056R0002	


1) 1 MW 18 mm.

	Power pack 24 V ¹⁾ 800 mA SELV A universally used power pack for the auxiliary voltage in KNX systems or other SELV applications. The compact device in pro M design provides a regulated output voltage of 24 V DC with a maximum output current of 0.8 A. The device is protected against overload and the output is permanently short-circuit protected. The status of the supply and output voltages is indicated via 2 LEDs. Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V, +10 % / -15 % Output voltage: 24 V, +1 % / -1 % Rated frequency: 50 Hz/60 Hz Rated current: 800 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm module width: 4 MW		
	NT/S24.80 0	GHQ6050057R0002	


1) 1 MW 18 mm.

	Switch actuator, 10 AX ^{1) 2)} 2gang Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 10 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	SA/S2.10.1	2CDG110039R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Switch actuator, 16 A ^{1) 2)} 2gang Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Output voltage: 230 V~ Suitable for: AC3 Rated current: 10 A, cos 0.65 Output voltage: 230 V~ Suitable for: AC3 Rated current: 6 A, cos 0.65 Output voltage: 400 V~ Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	SA/S 2.16.1	2CDG110062R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

	Switch actuator, 16 AX ^{1) 2)} 2-gang, C-load, with current detection Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts. Every output has circuitry for current detection. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 16AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 2x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Output voltage: 230 V~ Suitable for: AC3 Rated current: 16 A, cos 0.65 Output voltage: 230 V~ Suitable for: AC3 Rated current: 16 A, cos 0.65 Output voltage: 400 V~ Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	SA/S 2.16.5S	2CDG110043R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Switch actuator, 20 AX
2-gang, C-load, with current detection**
Switches 2 independent electrical loads via ABB i-bus® KNX with floating contacts.
Every output has circuitry for current detection. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 20AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669.
Control element: Manual operation possibility for ON/OFF via sliding switch
Display elements: Status display of the outputs via position of the sliding switches
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2x Normally open contact, potential free
Suitable for: AC1
Rated current: 20 A, cos 0.8
Output voltage: 230 V~
Suitable for: AC3
Rated current: 16 A, cos 0.45
Output voltage: 230 V~
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
Installation depth: 68 mm
module width: 2 MW

SA/S2.20.1S 2CDG110047R0011



**Switch actuator, 6 A 1) 2)
4gang**
Switches 4 independent electrical loads in 2 groups with 2 contacts each via ABB i-bus® KNX with floating contacts. The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Normally open contact, potential free
Suitable for: AC1
Rated current: 6 A, cos 1
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm
Installation depth: 68 mm
module width: 2 MW

SA/S 4.6.1 2CDG110036R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Switch actuator, 10 AX 1) 2)
4gang**
Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
For each output, the contact can be manually operated. The switching state of the contact is displayed. The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669.
Control element: Manual operation possibility for ON/OFF via sliding switch
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Normally open contact, potential free
Suitable for: AC1
Rated current: 10 A, cos 1
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

SA/S 4.10.1 2CDG110040R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.



**Switch actuator, 16 A 1) 2)
4gang**
Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
For each output, the contact can be manually operated. The switching state of the contact is displayed. The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads.
Control element: Manual operation possibility for ON/OFF via sliding switch
Display elements: Status display of the outputs via position of the sliding switches
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Normally open contact, potential free
Suitable for: AC1
Rated current: 16 A, cos 1
Output voltage: 230 V~
Suitable for: AC3
Rated current: 10 A, cos 0.65
Output voltage: 230 V~
Suitable for: AC3
Rated current: 6 A, cos 0.65
Output voltage: 400 V~
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

SA/S 4.16.1 2CDG110063R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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Switch actuator, 16 AX 1) 2)
4-gang, C-load, with current detection

Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
 Every output has circuitry for current detection.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 16AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 16 A, cos 0.65
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 16 A, cos 0.65
 Output voltage: 400 V~
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW

SA/S4.16.5S 2CDG110044R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


Switch actuator, 20 AX
4-gang, C-load, with current detection

Switches 4 independent electrical loads via ABB i-bus® KNX with floating contacts.
 Every output has circuitry for current detection.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 20AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 20 A, cos 0.8
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 16 A, cos 0.45
 Output voltage: 230 V~
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW

SA/S4.20.1S 2CDG110048R0011

Product	Article-No.	Order-No.	Pack/Qty
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Switch actuator, 6 A 1) 2)
8gang

Switches 8 independent electrical loads in 4 groups with 2 contacts each via ABB i-bus® KNX with floating contacts.
 The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 8x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 6 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW

SA/S 8.6.1 2CDG110037R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


Switch actuator, 10 AX 1) 2)
8gang

Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.
 For each output, the contact can be manually operated.
 The switching state of the contact is displayed.
 The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 8x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 module width: 8 MW

SA/S 8.10.1 2CDG110041R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

Product Article-No. Order-No. Pack/Qty



**Switch actuator, 16 A 1) 2)
8gang**
Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.
For each output, the contact can be manually operated. The switching state of the contact is displayed.
The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads.
Control element: Manual operation possibility for ON/OFF via sliding switch
Display elements: Status display of the outputs via position of the sliding switches
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 8x Normally open contact, potential free
Suitable for: AC1
Rated current: 16 A, cos 1
Output voltage: 230 V~
Suitable for: AC3
Rated current: 10 A, cos 0.65
Output voltage: 230 V~
Suitable for: AC3
Rated current: 6 A, cos 0.65
Output voltage: 400 V~
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
Installation depth: 68 mm
module width: 8 MW

SA/S8.16.1 2CDG110064R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.



**Switch actuator, 16 AX 1) 2)
8-gang, C-load, with current detection**
Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.
Every output has circuitry for current detection.
For each output, the contact can be manually operated. The switching state of the contact is displayed.
The 16AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669.
Control element: Manual operation possibility for ON/OFF via sliding switch
Display elements: Status display of the outputs via position of the sliding switches
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 8x Normally open contact, potential free
Suitable for: AC1
Rated current: 16 A, cos 1
Output voltage: 230 V~
Suitable for: AC3
Rated current: 16 A, cos 0.65
Output voltage: 230 V~
Suitable for: AC3
Rated current: 16 A, cos 0.65
Output voltage: 400 V~
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
Installation depth: 68 mm
module width: 8 MW

SA/S8.16.5S 2CDG110045R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product Article-No. Order-No. Pack/Qty



**Switch actuator, 20 AX
8-gang, C-load, with current detection**
Switches 8 independent electrical loads via ABB i-bus® KNX with floating contacts.
Every output has circuitry for current detection.
For each output, the contact can be manually operated. The switching state of the contact is displayed.
The 20AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669.
Control element: Manual operation possibility for ON/OFF via sliding switch
Display elements: Status display of the outputs via position of the sliding switches
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 8x Normally open contact, potential free
Suitable for: AC1
Rated current: 20 A, cos 0.8
Output voltage: 230 V~
Suitable for: AC3
Rated current: 16 A, cos 0.45
Output voltage: 230 V~
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
Installation depth: 68 mm
module width: 8 MW


SA/S 8.20.1S 2CDG110049R0011




**Switch actuator, 6 A 1) 2)
12gang**
Switches 12 independent electrical loads in 6 groups with 2 contacts each via ABB i-bus® KNX with floating contacts. The 6A-AC3 series is suited for switching ohmic, inductive, and capacitive loads.
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 12x Normally open contact, potential free
Suitable for: AC1
Rated current: 6 A, cos 1
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
Installation depth: 68 mm
module width: 6 MW

SA/S 12.6.1 2CDG110038R0011


1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Switch actuator, 10 AX 1) 2) 12gang Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 10AX-AC1 series is suited for switching ohmic, inductive, and capacitive loads, as well as fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 12x Normally open contact, potential free Suitable for: AC1 Rated current: 10 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm module width: 12 MW		
	SA/S12.10.1	2CDG110042R0011	

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

	Switch actuator, 16 A, C-load 1) 2) 12gang Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The switching state of the contact is displayed. The 16A-AC1 series is suited for switching ohmic, inductive, and capacitive loads. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 12x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Output voltage: 230 V~ Suitable for: AC3 Rated current: 10 A, cos 0.65 Output voltage: 230 V~ Suitable for: AC3 Rated current: 6 A, cos 0.65 Output voltage: 400 V~ Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm module width: 12 MW		
	SA/S12.16.1	2CDG110082R0011	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.


Product	Article-No.	Order-No.	Pack/Qty
	Switch actuator, 16 AX 1) 2) 12-gang, C-load Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The 16AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 12x Normally open contact, potential free Suitable for: AC1 Rated current: 16 A, cos 1 Output voltage: 230 V~ Suitable for: AC3 Rated current: 10 A, cos 0.65 Output voltage: 230 V~ Suitable for: AC3 Rated current: 6 A, cos 0.65 Output voltage: 400 V~ Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm module width: 12 MW		
	SA/S 12.16.5	2CDG110046R0011	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

	Switch actuator, 20 AX 1) 2) 12-gang, C-load Switches 12 independent electrical loads via ABB i-bus® KNX with floating contacts. For each output, the contact can be manually operated. The 20AX-AC3 C-load series is particularly suited for switchings loads with high switch-on current peaks like lamps with compensation capacitors or fluorescent lamp loads (AX) according to DIN EN 60669. Control element: Manual operation possibility for ON/OFF via sliding switch Display elements: Status display of the outputs via position of the sliding switches Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 12x Normally open contact, potential free Suitable for: AC1 Rated current: 20 A, cos 0.8 Output voltage: 230 V~ Suitable for: AC3 Rated current: 16 A, cos 0.45 Output voltage: 230 V~ Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 216 mm x 64 mm Installation depth: 68 mm module width: 12 MW		
	SA/S 12.20.1	2CDG110050R0011	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Analogue actuator 4gang The analogue actuator outputs values received via KNX as analogue signals. The device has four analogue outputs, that can be used independently of each other as current or voltage outputs. With the analogue actuator module AAM/S, the number of analogue outputs of the analogue can be expanded to eight. The device requires an external 24 V auxiliary voltage. Connections: KNX-line: Bus terminal Rated voltage: 24 V~, +10 % / -10 % Outputs: 4 Protection class (Device): IP 20 module width: 4 MW		
	AA/S4.1	2CDG120005R0011	

	Analogue actuator, expansion 4gang With the analogue actuator module, the number of analogue outputs of the analogue actuator AA/S 4.1 can be expanded to eight outputs. The outputs can be used independently of each other as current or voltage outputs. The device requires an external 24 V auxiliary voltage. Connections: KNX-line: Bus terminal Rated voltage: 24 V~, +10 % / -10 % Outputs: 4 Protection class (Device): IP 20 module width: 4 MW		
	AAM/S4.1	2CDG120006R0011	

	Electronic switch actuator ^{1) 2)} 4gang The device has 4 channels for the actuation of heating systems and chilled ceilings via electrothermal valve drives and is supplied with a voltage of 24 V to 230 V AC/DC. It provides 4 overload protected outputs for the actuators. Connections: KNX-line: Bus terminal Outputs: 4x electronic output, potential-bound, 24 V/- - 230 V~ Suitable for: AC1 Rated current: 0.7 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm module width: 4 MW		
	ES/S4.1.1	GHQ6310061R0111	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Blower/fan coil actuator ^{1) 2)} 1-gang, 6 A Controls a 3-stage fan via a multistage or alternating control module. This guarantees that no two fan stages can be activated at the same time. For this purpose, a parameterisable switch interval is also available. The unused output can be used to actuate a valve switch an electronic load. In this way, 2-conductor fan coil systems with a heating and/or cooling circuit or with an alternating heating/cooling circuit can be actuated using ABB i-bus® KNX. For the valve control system, separate objects are available so that control is also possible using an electronic switch actuator or a switch actuator with a high switch capacity according to requirement. In addition, forced operation and 4 operating modes (frost/heat protection, night, comfort and standby modes) can be set for the fan and valve. With a single application program, the following functions are possible: - 3-stage fan actuation plus switch output - Actuation of 2-conductor fan coil systems with 3-stage fans and a valve The following objects are available as control variables in KNX:- Three 1-bit objects for the manual actuation of the fan - One 1-bit object for the manual activation/deactivation of a fan stage - One or two 1-byte objects for a heating and/or cooling control variable. As required an object can be switched for the central unit or a heating/cooling object can be released for the reception of a heating or cooling information message. Outputs: 3 outputs for a fan group, 1 output for valve or electrical loads; rated current: 6 A, switching capacity according to DIN EN 60 947-4-1: 6 A/AC1, 6 A/AC3 (at 230V AC), according to DIN EN 60 669: 6 A; max. capacitive load 35 µF; load current circuit connection: screw terminals; KNX connection: screwless bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60 715; with: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 4x Normally open contact, potential free Suitable for: AC1 Rated current: 6 A, cos 1 Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	LFA/S 1.1	2CDG110077R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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**Blower/fan coil actuator 1) 2)
2-gang, 6 A**

Controls a 3-stage or 5-stage fan via a multistage or alternating control module.
This guarantees that no two fan stages can be activated at the same time.

The unused outputs can be used to actuate valves or switch electrical loads.

In this way, 2-conductor, 3-conductor, or 4-conductor fan coil systems with heating and/or cooling circuits can be actuated using ABB i-bus®KNX.

For the valve control system, separate objects are available so that control is also possible using an electronic switch actuator or a switch actuator with a high switch capacity according to requirement.

In addition, forced operation and 4 operating modes (frost/heat protection, night, comfort and standby modes) can be set for the fan and valve.

With a single application program, the following functions are possible:- A 3-stage fan control system plus 5 valve or switch outputs- A 5-stage fan plus 3 valve or switch outputs- 2 independent 3-stage fan control systems plus 2 valve or switch outputs- Actuation of 2-conductor fan coil systems with 3-stage or 5-stage fans- Actuation of 3-conductor fan coil systems with 3-stage or 5-stage fans- Actuation of 4-conductor fan coil systems 3-stage or 5-stage fans.

The following objects are available as control variables in KNX:- Three 1-bit objects for the manual actuation of the fan
- One 1-bit object for the manual activation/deactivation of a fan stage
- One or two 1-byte objects for a heating and/or cooling control variable.

Outputs: 8 outputs for up to two fan groups; rated current: 6 A; switching capacity according to DIN EN 60 947-4-1: 6 A/AC1, 6 A/AC3 (at 230V AC), according to DIN EN 60 669: 6 A; max. capacitive load 35 µF; load current circuit connection: screw terminals; KNX connection: screwless bus connecting terminal; mounting: on support rail 35 mm, DIN EN 60 715; with: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Normally open contact, potential free

Suitable for: AC1

Rated current: 6 A, cos 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

module width: 4 MW

LFA/S2.1

2CDG110078R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

2) 1 MW 18 mm.


Fan coil actuator, MDRC

For the actuation of typical fan convectors using two electronic outputs for thermoelectric or electromotive actuators and 3 outputs for the individual fan stages. A further load output switches additional loads (up to 16 A), for example an additional heater. Via two binary inputs, window contacts or a condensate water indication can be scanned and transferred to the KNX. The easily understandable manual operation enables fast commissioning.
Control element: Manual actuation possibility of the inputs/outputs.

Display elements: Status/control display via LEDs

Connections:

KNX-line: Bus terminal

Outputs: 4x Normally open contact, potential free

Suitable for: AC1

Rated current: 6 A, cos 1

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

module width: 4 MW

FCA/S1.1M

2CDG110084R0011

Product	Article-No.	Order-No.	Pack/Qty
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Fan coil controller

The fan coil controller controls motorised and thermal heating and ventilation valves and multi-stage fans via ABB i-bus® KNX or as an individual unit in combination with the temperature sensor TS/K1.1.

Two binary inputs are available for the 24 V AC alarm contacts.

The fan coil controller requires a 230 V AC power supply. The 24 V DC auxiliary voltage for binary inputs is provided by the device.

Protection class (Device): IP 20

module width: 6 MW

FC/S 1.1

2CDG120001R0011


Ambient temperature controller, fan coil with display, SM
With integrated bus coupler

Control element for ambient temperature control with LCD and 5 operating buttons

Used for single-room temperature control in heating and air-conditioning technology.

The controller is a constant ambient temperature controller for fan convectors (fan coils) in 2-pipe and 4-pipe systems and conventional heating or cooling systems.

The ambient temperature controller works in both heating and cooling mode.

The fan stage can be switched manually or in automatic mode.

Mounting: Surface mounting directly onto the wall and all common flush-mounted wall boxes

Control element: Push-switch for turning the device on and off

Push-switch for selecting the fan stages

Push-switch for changing the setpoint temperatures

Push-switch for switching the temperature unit between Celsius and Fahrenheit

Display elements: LCD for displaying temperatures, operating modes, fan stages, and fault messages

Connections:

KNX-line: DP screw/clamp terminals

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 81 mm x 81 mm x 20 mm

NEW

83 aluminium silver

6138/11-83-500

6138-0-0005

1

84 davos/studio white

6138/11-84-500

6138-0-0003

1/10


Temperature sensor for the fan coil controller

TS/K 1.1

2CDG120002R0011


Electronic relay 1-gang relay

In combination with the US/U x.2 universal interface and an ambient temperature controller, the device is used for the temperature control of individual rooms.

Thermal actuators for heater valves are actuated in a noise-free, non-wearing manner.

ER/U 1.1

GHQ6310044R0111

Product Article-No. Order-No. Pack/Qty



Blind actuator 230 V AC 1) 2)
2gang

For the actuation of 2 independent groups with 2 roller shutter or blind drives each via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Change-over switch
Suitable for: AC1/AC3
Rated current: 6 A
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

JA/S2.230.1 GHQ6310071R0111

1) ETS programming only from ETS 2 V1.2a.
2) Also usable as a binary output (one channel per output).

Product Article-No. Order-No. Pack/Qty



Blind actuator 230 V AC 1)
4gang

With manual control.
For the actuation of 4 independent roller shutter or blind drives via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Manual operation directly on the device, even without KNX voltage.
Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Change-over switch
Suitable for: AC1/AC3
Rated current: 6 A
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

JA/S 4.230.1M GHQ6310064R0111

1) ETS programming only from ETS 2 V1.2a.



Shutter actuator 230 V AC 1)
4gang

For the actuation of 4 independent roller shutter or blind drives via ABB i-bus® KNX with up/down and blade adjustment/stop functions.

Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Change-over switch
Suitable for: AC1/AC3
Rated current: 6 A
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

RA/S4.230.1 GHQ6310076R0111

1) The device has a lesser range of functions than the blind actuators.



Blind actuator 24 V DC 1) 2)
4gang

For the actuation of 4 independent roller shutter or blind drives via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Connections:
KNX-line: Bus terminal
Rated voltage: 24 V
Outputs: 4x Change-over switch
Rated current: 6 A
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

JA/S 4.24.1 GHQ6310073R0111

1) ETS programming only from ETS 2 V1.2a.
2) Also usable as a binary output (one channel per output).



Blind actuator 230 V AC 1) 2)
4gang

For the actuation of 4 independent roller shutter or blind drives via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Connections:
KNX-line: Bus terminal
Rated voltage: 230 V~, +10 % / -15 %
Rated frequency: 50 Hz/60 Hz
Outputs: 4x Change-over switch
Suitable for: AC1/AC3
Rated current: 6 A
Protection class (Device): IP 20
Temperature range (Device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Installation depth: 68 mm
module width: 4 MW

JA/S4.230.1 GHQ6310072R0111

1) ETS programming only from ETS 2 V1.2a.
2) Also usable as a binary output (one channel per output).

Product **Article-No.** Order-No. Pack/Qty


**Blind actuator with manual control
4gang**

For the actuation of SMI blind or roller shutter drives via four independent SMI channels.

On-site operation via manual operating buttons is also possible without KNX connection.

No separate SMI commissioning possible.

Functions of the application program:- UP/DOWN movement, stop/blade adjustment- Positioning (up to 4 preset positions)- Setting of position (change of the preset position via KNX)- Positioning 0% to 100%- Scenes- Sun protection and heating/cooling automatic control- Prime position for bus and auxiliary voltage failure or return and programming- Wind, rain, and frost alarm monitoring (cyclic)- Locking and forced operation- Status messages = current position, blade position, blind up/down, SMI diagnosis, auxiliary voltage, current operating mode, SMI failure, automatic, manual operation- Lock/enable manual operation via KNX.

Outputs: 4 independent SMI outputs; number of SMI drives: max. of 4 drives per channel; up/down operation: 2 buttons for each output and 2 LEDs for manual operation up/down, stop/blade adjustment; KNX/manual: 1 push-switch and 1 LED for changeover or display of operation via KNX and manual operation; operating voltage: 230 V AC + 10/-15%, 45 to 65 Hz; connection: screw terminal; bus connection: bus connecting terminal; mounting: onto support rail 35 mm, DIN EN 60175; width: 4 modules with 18 mm each; degree of protection: IP 20, EN 60 529.

Control element: Two push-switches and two LEDs for Up/Down manual operation for each output; stop/blade adjustment, one push-switch and one LED for switching over or displaying drives via KNX and manual operation

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 45 Hz/65 Hz

Control/Signal outputs: 4, Independent SMI outputs, maximum of four drives per channel

Protection class (Device): IP 20

module width: 4 MW

JA/S4.S MI.1M 2CDG110028R0011


**Blind actuator 230 V AC 1)
8gang**

For the actuation of 8 independent roller shutter or blind drives via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Change-over switch

Suitable for: AC1/AC3

Rated current: 6 A

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

module width: 8 MW

JA/S8.230.1 GHQ6310063R0111

Product **Article-No.** Order-No. Pack/Qty


**Blind actuator 230 V AC 1)
8gang**

For the actuation of 8 independent roller shutter or blind drives via ABB i-bus® KNX with up/down, blade adjustment/stop, automatic sun protection, and automatic heating/cooling functions.

Manual operation directly on the device, even without KNX voltage.

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V~, +10 % / -15 %

Rated frequency: 50 Hz/60 Hz

Outputs: 8x Change-over switch

Suitable for: AC1/AC3

Rated current: 6 A

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

module width: 8 MW

JA/S 8.230.1M GHQ6310078R0111

1) ETS programming only from ETS 2 V1.2a.


Light controller, 2-gang, 1-10V, MDRC

In conjunction with electronic ballast units, enables the switching and dimming of light current circuits via 2 or 4 independent channels. In conjunction with the LF/U 2.1 light sensor, constant light regulation can be realised. For a precise detection of the lighting conditions, up to 2 or 4 light sensor can be connected to a controller.

Control element: Manual operation possibility for ON/OFF via sliding switch

Display elements: Status display of the outputs via position of the sliding switches

Connections:

KNX-line: Bus terminal

Rated voltage: 230 V

Secondary: 440 V

Rated frequency: 50 Hz/60 Hz

Outputs: 2x Normally open contact, potential free

Suitable for: AC1

Rated current: 16 A, cos 1

Output voltage: 230 V~

Suitable for: AC3

Rated current: 10 AX

Output voltage: 230 V~

Control/Signal outputs: 2, electronic output, 0-10 V

Rated current: 100 mA

max. length: 100 m

Protection class (Device): IP 20

Temperature range (Device): -5 °C to 45 °C

Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm

Installation depth: 68 mm

module width: 4 MW

LR/S 2.16.1 2CDG110087R0011

1) ETS programming only from ETS 2 V1.2a.

Product Article-No. Order-No. Pack/Qty



Light controller, 4-gang, 1-10V, MDRC

In conjunction with electronic ballast units, enables the switching and dimming of light current circuits via 2 or 4 independent channels. In conjunction with the LF/U 2.1 light sensor, constant light regulation can be realised. For a precise detection of the lighting conditions, up to 2 or 4 light sensor can be connected to a controller.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V
 Secondary: 440 V
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 16 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 10 AX
 Output voltage: 230 V~
 Control/Signal outputs: 4, electronic output, 0-10 V
 Rated current: 100 mA
 max. length: 100 m
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm
 module width: 8 MW

LR/S4.16.1 2CDG110088R0011

Product Article-No. Order-No. Pack/Qty



Switch/dimm actuator ^{1) 2)} 4gang

MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 4x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 8 A, cos 0.65
 Output voltage: 230 V~
 Control/Signal outputs: 4, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
 Installation depth: 68 mm
 module width: 6 MW

SD/S 4.16.1 2CDG110080R0011



Light sensor, FM

Used in conjunction with the LR/S x.16.1 light controllers for constant light regulation. Various light control rods, the connecting terminal, and the cover for discrete installation in the room are included in delivery.
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 20 mm x 54 mm

LF/U2.1 2CDG110089R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.



Switch/dimm actuator ^{1) 2)} 8gang

MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 8x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 8 A, cos 0.65
 Output voltage: 230 V~
 Control/Signal outputs: 8, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 Installation depth: 68 mm

SD/S 8.16.1 2CDG110081R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.




Switch/dimm actuator ^{1) 2)} 2gang


MDRC devices for switching and dimming independent lamp groups from electrical ballast units with a 1-10V control interface via ABB i-bus®. For each channel the supply voltage of the ballast units can be switched on or off manually with a floating load relay (16A-AC1) via ABB i-bus®. A switching state display is present. No power supply is required.
 Control element: Manual operation possibility for ON/OFF via sliding switch
 Display elements: Status display of the outputs via position of the sliding switches
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x Normally open contact, potential free
 Suitable for: AC1
 Rated current: 10 A, cos 1
 Output voltage: 230 V~
 Suitable for: AC3
 Rated current: 8 A, cos 0.65
 Output voltage: 230 V~
 Control/Signal outputs: 2, electronic output, 0-10 V
 Rated current: 100 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW

SD/S2.16.1 2CDG110079R0011

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
 2) 1 MW 18 mm.


Product	Article-No.	Order-No.	Pack/Qty
	Universal dimm actuator, 300 VA ¹⁾ For the switching and dimming of incandescent lamps, 230V halogen lamps, or low-voltage halogen lamps on coiled or electronic transformers (automatic load detection). Output power 2x300 VA up to 45°C ambient temperature and a maximum of 500 VA if only one output is operated. Both outputs are independent of each other and can be supplied by various phases. An extensive application programme with scene and time functions. Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm module width: 4 MW		
	UD/S2.30 0.2	2CDG110074R0011	

1) 1 MW 18 mm.

	Universal dimm actuator, 4x 210 W/VA to 1x 840 W/VA ^{1) 2)} 1-4gang Multichannel universal dimmer for switching and dimming of incandescent lamps, 230V halogen lamps or low voltage halogen lamps with conventional transformers or electronic transformers. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 4 Rated power: 10 - 210 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm module width: 8 MW		
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grey **NEW** **6197/12-500** 6197-0-0025 1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Universal dim actuator 4 x 315 W/VA to 1 x 1260 W/VA ^{1) 2)} 1-4gang Multichannel universal dimmer for switching and dimming of incandescent lamps, 230V halogen lamps or low voltage halogen lamps with conventional transformers or electronic transformers. Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. Direct manual operation with / without KNX voltage connected or in an unprogrammed status possible. Control element: Manual operation of ON brighter / Off darker and channel selection. Display elements: Outputs status indication via LED. Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -10 % Rated frequency: 50 Hz/60 Hz Outputs: 4 Rated power: 10 - 315 W/VA Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Installation depth: 68 mm module width: 8 MW		

grey **NEW** **6197/13-500** 6197-0-0026 1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

	Control unit for universal dimmer, MDRC ^{1) 2) *)} 2gang For Busch-Universal dimmer 6583-500. Interface device between ABB i-bus® KNX and up to 2 Busch-Dimmers (dimmer groups) 6583-500 (max. 9 pcs. per group) 2 inputs: 230 V~, 50 Hz As binary inputs or for "local operation" using conventional push button (2020 US, 2021/6 UK) The bus connection is effected via the enclosed bus terminal. Connections: KNX-line: Bus terminal Rated voltage: 230 V, +10 % / -10 % Rated frequency: 50 Hz Inputs: 2 Polling voltage: , potential-connected Control/Signal outputs: 2, electronic output, with pulse-width modulated Output voltage: 12 V max. length: 2 m Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 54 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
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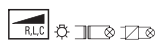
6197/11-102-500 6198-0-0102 1

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.
*) Phase-out type

Product	Article-No.	Order-No.	Pack/Qty
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Busch-Universal aster dimmer ^{1) 2) 3) 4) 5)}
 Universal Central Dimmer modular.
 For switching and dimming incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional or Busch-Electronic transformers.
 With light-level memory, adjustable minimum brightness and with intelligence for universal operation.
 Capacity expansion via output-side parallel-connected load line (with RJ 12 plug) with a power module 6584 (max. 6 pcs = 3000 W/WA total wattage).
 Compatible with control module 6597, ABB i-bus® KNX in combination with control module 6197/11-10x.
 Operation using a plug-in push switch/rotary and timer control cover 6543/10, ..11, -12 and/or a conventional push switch (2020 US or 2021/6 UK or Rotary Dimmer insert for combination with flush-mounted inserts 6592 U.
 Low-noise, short-circuit protected, overload-protected.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 60 - 500 W/WA
 Temperature range (Device): 0 °C to 45 °C
 module width: 2 MW



6583-500 6590-0-0178 1/10

- 1) Illumination of the push switch is only possible with N-conductor terminal.
- 2) Not suitable for generator networks.
- 3) 1 MW 18 mm.
- 4) In case of electronic transformers, 5 % transformer losses.
- 5) In the case of conventional transformers, take ~20% transformer loss into account.



Busch-Universal master dimmer capacity booster ^{1) 2)}
 To be used with Busch-Universal master dimmer 6583.
 For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with conventional transformers or electronic transformers.
 A combination of up to 6 power electronic modules (3,000 W/WA) possible.
 With ready-made line with jack (RJ12) for connecting to central dimmer 6583.
 Rated voltage: 230 V~, +10 % / -10 %
 Rated frequency: 50 Hz/60 Hz
 Rated power: 200 - 420 W/WA
 module width: 2 MW



6584-500 6590-0-0179 1/10

- 1) For greater loads, it is mandatory to provide for sufficient ventilation.
- 2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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DALI gateway ^{1) 2)}
1-gang gateway
 The 1-gang DALI gateway (DALI = Digital Addressable Lighting Interface) is used to actuate DALI operating units (EVGs, transformers, LED converters, and so on, using a DALI interface according to DIN EN 60929) via KNX.
 Up to 64 DALI operating units can be connected to a main channel.
 Every individual operating unit can be switched directly with only one KNX communication object, dimmed, or actuated at a certain brightness value.
 On a second auxiliary channel, an additional 64 DALI operating units can be individually addressed in broadcast mode or through coded addressing with two communication objects (address + function).
 In addition, the setting of 15 light scenes is possible.
 The 64 DALI subscribers of a channel can be actuated together in broadcast mode. For this purpose, the following functions are available:- Switching, dimming, and setting brightness- Feedback like EVG and lamp faults- Lamp warm-up
 The parameterisation of DG/S 1.1 takes place using the Engineering Tool Software (ETS).
 The DALI address is assigned automatically in both channels via the DALI gateway.
 The DALI operating units are mapped on KNX in an unordered, ascending manner and available immediately for actuation.
 An individual change of the DALI address is also possible without ETS using the DGS11 software tool.
 The group assignment takes place in any manner using the KNX group functions.
 The DALI power source for the 128 DALI subscribers is integrated into the gateway.
 Output: 2 independent DALI channels; number of DALI devices: maximum of 64 per channel; operating voltage: 85 to 265 V AC, 45 to 65 Hz, 110 to 240 V DC; connection: screw terminal; mounting: on support rail 35 mm, DIN EN 60 715; width: 4 modules with 18 mm each; degree of protection: IP 20, DIN EN 60 529.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x DALI channels, independent
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW


DG/S 1.1 2CDG110026R0011

- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
- 2) 1 MW 18 mm.




DALI gateway, 1-gang, group control, MDRC
 Forms the interface between DALI KNX installation and contains the DALI power supply. Up to 64 DALI subscribers can be assigned to any 16 lamp groups. Each group can be switched, dimmed, and actuated with a brightness value. Scene and sequencer functions are available for light effects. Fault feedback messages can be programmed and activated via KNX.
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x DALI channels, independent
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 Installation depth: 68 mm
 module width: 4 MW

NEW
DG/S 1.16.1 2CDG110103R0011


Product	Article-No.	Order-No.	Pack/Qty
	DALI gateway 1) 2) 8gang		
	For the actuation of DALI operating devices (electronic ballast units, transformers, etc.) via ABB i-bus® KNX. 8 separate, independent DALI outputs/channels are available. For each channel up to 16 (a maximum of 128 at the gateway) DALI operating devices can be connected. The switching, dimming, setting a permanent value, and lamp and EVG fault feedback messages are available for every output. A lamp warm-up time and 16 light scenes can be set. An addressing or commissioning of the DALI operating devices is not required.		
	Connections: KNX-line: Bus terminal Rated voltage: 230 V~, +10 % / -15 % Rated frequency: 50 Hz/60 Hz Outputs: 8x DALI channels, independent Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm Installation depth: 68 mm module width: 6 MW		
	DG/S8.1	2CDG110025R0011	

1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.


	DALI switch actuator 1)		
	The DALI switch actuator has a DALI interface and switches (16AX-AC3) 2 independent electrical consumers with high switch-on currents (C-loads) using floating contacts. It is actuated via DALI (Digital Addressable Lighting Interface).		
	Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Installation depth: 68 mm module width: 4 MW		
	DSA/S2.16.1	2CDG110009R0011	

1) 1 MW 18 mm.


	Controller for LUXCONTROL		
	The control unit is used to actuate digitally dimmable electronic ballast units or transformers from the ABB product range using ABB i-bus®KNX. In a lighting circuit, up to 50 electronic ballasts can be connected.		
	Connections: KNX-line: Bus terminal Rated voltage: 230 V~ Rated frequency: 50 Hz Outputs: DSI signals (digital/serial) Protection class (Device): IP 20 module width: 4 MW		
	SL/S50.1	GHQ6050051R0001	

	Logic module 1) 2)		
	The logic module solves project-specific control tasks and can perform 3 different functions at the same time. The following functions are available: logic gate, gateway, time element, multipliers, min/max value transducers, temperature comparators, value changeover, fast value recording, format changer, scenes, counter, and staircase lighting.		
	Connections: KNX-line: Bus terminal Rated voltage: 29 V- Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 18 mm x 61 mm module width: 2 MW		
	LM/S1.1	GHQ6310080R0111	


1) ETS programming only from ETS 2 V1.2a.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Application module, logic 1)		
	The "Logic" application module enables the creation of extensive logic functions through the combination of various logic and time gates on a graphic user interface as a plug-in in ETS without additional software. For this purpose, 30 logic gates, 50 gateways, 30 time elements, and 10 comparators are available. This is an application program designed purely for ETS3.		
	Connections: KNX-line: Bus terminal Rated voltage: 29 V Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	ABL/S 2.1	2CDG110073R0011	


1) 1 MW 18 mm.

	Application module, time 1)		
	The "Time" application module proves a twelve-month timer with 15 daily routines (800 switching times), a weekly routine, and 100 special days. In addition, up to 300 volume members can be created in 30 volumes, which can be called via triggers. Several actions can thus be triggered for every switching time. The switch times can also be changed without ETS using the free PZM 2.0 software, the application program designed solely for ETS3.		
	Connections: KNX-line: Bus terminal Rated voltage: 29 V Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	ABZ/S 2.1	2CDG110072R0011	

1) 1 MW 18 mm.

	Commissioning power pack, 28 V DC, 30 mA		
	For the temporary supply of KNX devices during commissioning. Fast connection and supply of manually operated devices (such as FCA/S) using European standard plugs and plug-in terminals.		
	Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V~, +10 % / -15 % Secondary: 30 V, +1 V / -1 V Rated frequency: 45 Hz/65 Hz Outputs: 1x short-circuit protected Rated current: 30 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 55.5 mm x 55 mm x 25.5 mm		
	NTI/Z 28.30.1	2CDG110096R0011	

1) 1 MW 18 mm.

	KNX power supply 160 mA 1) SELV		
	A power supply with integrated choke supplies connected devices with bus voltage. An LED indicates the operational readiness. Ideal for a few devices or for the supply on main and area lines.		
	Display elements: LEDs green: Status of supply voltage or output voltage Rated voltage: 230 V~, +10 % / -15 % Secondary: 30 V, +1 V / -1 V Rated frequency: 50 Hz/60 Hz Outputs: 1x short-circuit protected Rated current: 160 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm module width: 4 MW		
	SV/S 30.160.5	2CDG110085R0011	

1) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
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Voltage supply 320 mA ¹⁾ SELV
 With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage.
 The bus connection is effected via the enclosed bus terminal.
 Display elements: LEDs green: Status of supply voltage or output voltage
 Rated voltage: 230 V~, +10 % / -15 %
 Secondary: 30 V, +1 V / -1 V
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x short-circuit protected
 Rated current: 320 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
 module width: 4 MW

SV/S30.320.5 GHQ6310038R0111

1) 1 MW 18 mm.



Voltage supply 640 mA ¹⁾ SELV
 With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage.
 With a 30 V DC output for supplying an additional line in connection with an additional choke.
 The bus connection is effected via the enclosed bus terminal.
 Control element: Reset switch
 Display elements: Status indication via LEDs
 Connections:
 KNX-line: Bus terminal
 second line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Secondary: 30 V, +2 V / -2 V
 Rated frequency: 50 Hz/60 Hz
 Outputs: 2x short-circuit protected
 Rated current: 640 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
 module width: 6 MW

SV/S30.640.5 GHQ6310048R0111

1) 1 MW 18 mm.



Uninterruptible power supply 640 mA ¹⁾ ²⁾
 With integrated choke for the generation and monitoring of the ABB i-bus® KNX system voltage.
 Up to 2 batteries that buffer the power supply in case of a mains failure can be connected.
 In normal operation, the battery is charged by the power supply.
 With floating contact for the indication of faults.
 The bus connection is effected via the enclosed bus terminal.
 Control element: Reset switch
 Display elements: Status indication via LEDs
 Connections:
 KNX-line: Bus terminal
 Rated voltage: 230 V~, +10 % / -15 %
 Secondary: 30 V, +2 V / -2 V
 Rated frequency: 50 Hz/60 Hz
 Outputs: 1x short-circuit protected
 Rated current: 640 mA
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 108 mm x 64 mm
 module width: 8 MW

SU/S30.640.1 GHQ6310049R0111

1) 1 MW 18 mm.
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.

Product	Article-No.	Order-No.	Pack/Qty
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Battery module ¹⁾ ²⁾ 12V DC
 For use in combination with the uninterruptible KNX power supply SU/S 30.640.
 Lead gel battery for buffering the ABB i-bus® KNX system voltage for bridging mains failures for at least 10 minutes (at full load).
 Connection by 4-wire standard cable
 Rated voltage: 12 V-
 Outputs: 1
 Protection class (Device): IP 20
 Temperature range (Device): -5 °C to 45 °C
 Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm
 module width: 8 MW

AM/S 12.1 GHQ6310062R0111

1) 1 MW 18 mm.
 2) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.



Cable set Basic
 For the connection of the SAK7, SAK12, and SAK17 lead gel batteries to the uninterruptible KNX power supply SU/S 30.640.1.
 If only 1 battery is connected the KS/K 4.1 cable set with integrated temperature sensor has to be used.
 If 2 batteries are connected in parallel, the KS/K 4.1 cable set has to be used for one battery and the KS/K 2.1 cable set for the other.
 More than 2 batteries may not be connected in parallel.

KS/K 4.1 GHQ6301910R0001





Cable set Expansion
 For the connection of the SAK7, SAK12, and SAK17 lead gel batteries to the uninterruptible KNX power supply SU/S 30.640.1.
 If only 1 battery is connected the KS/K 4.1 cable set with integrated temperature sensor has to be used.
 If 2 batteries are connected in parallel, the KS/K 4.1 cable set has to be used for one battery and the KS/K 2.1 cable set for the other.
 More than 2 batteries may not be connected in parallel.

KS/K 2.1 GHQ6301910R0011




Lead gel batteries
 For buffering the ABB i-bus® KNX system voltage for bridging mains failures.
 For connection to the uninterruptible KNX power supply SU/S 30.640.1.
 A maximum of 2 lead gel batteries (of the same type) can be connected in parallel.
 For connection, the KS/K 4.1 or KS/K 2.1 cable sets have to be used.
 12 V, 7 Ah
 Rated voltage: 12 V
 Dimensions: (L x W x D): 98 mm x 151 mm x 65 mm
SAK7 GHV9240001V0011
SAK12 GHV9240001V0012
SAK17 GHV9240001V0013


Product	Article-No.	Order-No.	Pack/Qty
	Choke SELV		
	The choke disconnects the bus line from the power supply. It can be used to supply a second KNX line in combination with the SV/S 30.640.5 power supply. The choke has a reset button to release the bus line and reset the bus subscribers connected to this line to the initial state. The bus connection is made via a bus terminal. The 30V auxiliary voltage is connected via a connecting terminal. Control element: Reset switch Display elements: Operating LED Connections: KNX-line: integrated pressure contacts Rated voltage: 30 V Outputs: 1 Supply voltage: 29 V Rated current: 500 mA Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm module width: 2 MW		
	DR/S4.1	2CDG110029R0011	

	Interface USB 1) 2) 3)		
	The USB/S 1.1 USB interface enables communication between the computer and the KNX system. The data transfer is displayed using the KNX and USB LEDs. The USB interface can be used from ETS 3 V1.0 on. Display elements: LED T: message interchange on the bus, LED K: communication via the interface Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 61 mm Installation depth: 68 mm module width: 2 MW		
	USB/S1.1	2CDG110008R0011	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.
3) Use only in combination with the ETS 3 or PowerProjekt 4.0

	Interface RS-232 1) 2) 2gang		
	For coupling a PC or printer to the KNX data bus. The device can be used both to parameterise a KNX installation and to log events (fault messages) on a printer. Display elements: LED T: Message interchange to the bus, LED K: Protocolling and parameterising the communication via the interface Connections: KNX-line: Bus terminal Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 61 mm Installation depth: 68 mm module width: 2 MW		
	EA/S232.5	GHQ6310043R0111	


- 1) As required, you can find the programmable functions in the current application description, which you can download in the Support Centre on our Internet page.
2) 1 MW 18 mm.

Product	Article-No.	Order-No.	Pack/Qty
	Line coupler 1)		
	The line coupler is used to connect KNX lines or areas in larger installations. In the process, the lines/areas are galvanically isolated from each other. At the same time, telegrams can be filtered to reduce the telegram traffic in a line. The LK/S 4.1 has bus connecting terminals for the main line and subordinate lines. Within a line, the LK/S 4.1 can also be used as a line amplifier (repeater). Display elements: LEDs: Voltage monitoring, message interchange Connections: higher-ranking line: Bus terminal lower-ranking line: Bus connection terminal Rated voltage: 29 V Protection class (Device): IP 20 Temperature range (Device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 18 mm x 61 mm Installation depth: 68 mm module width: 2 MW		
	LK/S 4.1	2CDG110027R0011	


1) ETS programming only from ETS 2 V1.2.

	IP router 1)		
	The IP router is the interface between KNX installations and IP networks. It can be used as a fast line or area coupler and thus as a local area network (LAN) for the fast exchange of telegrams between the lines/areas. With ETS 3.0, KNX devices can be programmed via LAN. The device uses the KNXnet/IP protocol of the KNX association (routing and tunnelling). The IP address of the IG/S can be permanently assigned or received by a DHCP server. Power is supplied via 12 to 30 V DC. Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	IPR/S 2.1	2CDG110061R0011	

1) 1 MW 18 mm.

	IP interface 1)		
	Interface between KNX and IP networks for the programming of KNX devices together with ETS 3.0 or for forwarding telegrams to/from the LAN (e.g. for visualisations). The device uses the KNXnet/IP protocol of the KNX association (tunnelling). The IP address can be permanently assigned or received by a DHCP server. Power is supplied via 12 to 30 V DC. Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Installation depth: 68 mm module width: 2 MW		
	IPS/S 2.1	2CDG110098R0011	

1) 1 MW 18 mm.

	Optical fiber interface		
	The device is used to connect two sections of an ABB i-bus® KNX line using optical fiber link to bridge greater distances or avoid having to use lightning and overvoltage protection devices when laying lines beyond the building. Two devices are required to set up a transmission route. Control element: Send/receive LED Connections: KNX-line: Bus terminal Protection class (Device): IP 20 module width: 4 MW		
	LL/S 1.1	GHQ6050053R0001	

Product	Article-No.	Order-No.	Pack/Qty
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Telephone gateway
With the telephone gateway, configurable voice messages can be sent via the telephone network. 100 objects are available in ETS as inputs/outputs. In addition to voice messages, e-mail or text messages can also be sent. If the device is called, states can be queried and commands executed using MFV/DTMF. The device has an integrated web server that enables simple operation and parameterisation with a common browser via LAN.
module width: 8 MW

TG/S3.2 2CDG110068R0011



Bus bar, 4 contacts
For the supply of the phase at several floating contacts of a device (e.g. SD/S, SA/S, etc.). Reduces the amount of wiring required and creates secure connections. The PS 1/4/6 is preassembled and can be used immediately.

PS1 /4/6-KNX 2CDG924003R0011

Bus bar, 60 contacts
For the supply of the phase at several floating contacts of a device (e.g. SD/S, SA/S, etc.). Reduces the amount of wiring required and creates secure connections. PS 1/60/6 is cut to the desired length and terminated with end caps.

PS1/ 60/6-KNX 2CDG924004R0011



End cap for bus bar

PS-END 1-S 2CDL000001R0001



Wiring bridges
For the bus connection of the devices using bus connecting terminals on the front side. Preassembled bridges for connecting the device horizontally or vertically.
Horizontal, 100 mm

VB/K 100.1 GHQ6301908R0003

Horizontal, 200 mm

VB/K20 0.1 GHQ6301908R0001

Vertical, 270 mm

VB/K270.1 GHQ6301908R0002



Terminal 4-pole
For connecting the separate voltage outputs of 6180-102 to the 4-pole connection unit 6182-101.
yellow/white
Temperature range (Device): -5 °C to 45 °C

6183-101 6183-0-0032 100



Overvoltage protection DP
Used for the fine overvoltage protection of KNX components.
Temperature range (Device): -5 °C to 45 °C

US/E1 GHQ6310009R0001

Product	Article-No.	Order-No.	Pack/Qty
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Terminal block/Connector 4-pole
Diameter 4 x 0.6-0.8 mm.
For e.g. bus coupler, MDRC, SM and built-in actuators.
For coupling the bus line to KNX devices.
Can also be used as branch terminal.
red/black

6183 6183-0-0016 1/100



DIN 4 labelling sheet 1) 2)
Plastic foil for Busch-triton®
With labels.
For Busch-triton®.
Only suitable for black and white laser printers
Suitable for Busch Script labelling software.
The Busch Script software can be found on the Internet or in the KNX database.

1799 10 1799-0-0808 1

1) Suitable for Art. No. 6321-..., 6322-..., 6323-..., 6324-..., 6325-..., 6326-..., 6327-...
2) 1 piece = 1 sheet.



DIN 4 labelling sheet 1) 3)
With labels.
For KNX sensors carat®, all-stainless steel, solo®, Busch-axcent®, future®, or future® linear.
Only suitable for black and white laser printers
Suitable for Busch Script labelling software.
The Busch Script software can be found on the Internet or in the KNX database.

Plastic foil, 1gang control cover 2)
1799 14 1799-0-0883 1

Plastic foil, 2gang control cover 4)
1799 15 1799-0-0884 1

Plastic foil, 4gang control cover 5)
1799 16 1799-0-0885 1

1) 1 piece = 1 sheet.
2) Suitable for Art.-No. 6125-...
3) Not suited for colour laser printers.
4) Suitable for Art. No. 6126-...
5) Suitable for Art.No. 6124-..., 6127-..., 6127 MF-..., 6128-..., 6129-...

Single designation signs
Can be used for switches, push-switches, luminous indicators, surge switches, installation relays, circuit breakers, earth-fault circuit breakers, and ABB i-bus® KNX components.

Labelling strip (1 set = 300 strips)
GH-
ST-E S2101946R0002
Labelling strips numbered from 1 to 100
GH-
ST-EN S2101946R0003

The prices and scope of delivery of ABB i-bus® KNX devices do not include project design, commissioning, programming etc.
Radio switch sensors (EasySens) for solo®, future®, future® linear, carat®, and Busch-axcent® and a LON interface for Busch-Jaeger KNX switch sensors can be ordered from: Thermokon Sensortechnik GmbH, Aarstr. 6, 35756 Mittenaar, Tel. +49-2772-65010, email@thermokon.de

For custom labelling, please contact the Busch-Jaeger labelling Service. Our Central Sales Service will be pleased to assist you.

Price: on request.

Article-No.	Order-No.	Pack Qty	cat. page
0200	0225-0-0011	50	60
0201	0225-0-0029	50	60
0202	0225-0-0037	50	60
0210	0225-0-0078	10	60
0211	0225-0-0086	10	60
0213	0230-0-0227	10/100	33
0214	0230-0-0235	10/100	34
0215	0230-0-0243	10	34
0216	0230-0-0276	1/10	33
0217	0230-0-0284	10	34
0218	0230-0-0376	1/10	59
0219	N 0230-0-0394	1/10	60
0219/12	N 0230-0-0395	1/10	60
0219/13	N 0230-0-0396	1/10	60
0220-507	N 0230-0-0397	10	33
0220/12-507	N 0230-0-0398	10	34
0221-507	N 0230-0-0399	10	34
0221/12-507	N 0230-0-0400	10	34
0222-507	N 0230-0-0401	10	34
0230-101	0230-0-0250	10/100	59
0231-101	0230-0-0268	10	59
0232-101	0230-0-0384	10/100	59
0233B S-20	1711-0-0001	10	36
0233B S-22	0230-0-0307	10/100	36
0233B S-23G	1711-0-0048	10	36
0233B S-24	0230-0-0309	10	36
0233B S-260	1711-0-0002	10	36
0233B S-266	1711-0-0003	10	36
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0239-0-0053	0239-0-0053	1	286
0239-0-0061	0239-0-0061	50	286
0239-0-0079	0239-0-0079	50	286
0239-0-0087	0239-0-0087	50	286
0239-0-0095	0239-0-0095	10	286
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0243/05	0230-0-0393	10	59
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0248	0230-0-0383	10	59
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0280B S-21	1711-0-0043	10	33
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0280B S-24	0230-0-0294	10/100	33
0280B S-260	1711-0-0034	10	33
0280B S-266	1711-0-0037	10	33
0281B S-20	1711-0-0041	10	33
0281B S-21	1711-0-0044	10	33
0281B S-22	0230-0-0298	10/100	33
0281B S-24	0230-0-0299	10/100	33
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0281B S-266	1711-0-0038	10	33
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0282B S-21	1711-0-0045	10	33
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0282B S-24	1711-0-0046	10	33
0282B S-260	1711-0-0036	10	33
0282B S-266	1711-0-0039	10	33
0299-0-0032	0299-0-0032	10	60
0440	0471-0-0045	100	61
0471-0-0037	0471-0-0037	10	60
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0521PZ-GS	0470-0-0021	1	29
1020/2US	1020-0-0023	10/100	28
1020/2US BS-101	1020-0-0057	10/100	27
1020/2US K	1020-0-0031	10/100	28
1020/2US KBS-101	1020-0-0058	10/100	28
1032/2UG L	1045-0-0001	10/100	29
1045/2UG L	1045-0-0002	10/100	29
106/3/1UB S	1012-0-2076	10/100	27
1070U	1043-0-0025	1/10	52
1071U	1043-0-0124	1	53
1094U	1032-0-0483	1/10	56
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1095U	1032-0-0484	1/10	56

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1096 U	1032-0-0485	1	57
1096 UTA	1032-0-0489	1/10	57
1097 U	1032-0-0486	1/10	57
1097 UTA	1032-0-0490	1/10	57
1098 U	N 1032-0-0500	1/10	57
1098 UF	N 1032-0-0501	1/10	57
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1515 U-12	1582-0-0333	1/10	347
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1539 U	1582-0-0335	1/10	348
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1557-13	1565-0-0159	10	32
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1564 U-12	1582-0-0338	1/10	348
1564 U-13	1582-0-0339	1/10	348
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1565-11	1565-0-0167	10	99
1565-12	1565-0-0175	10	99
1565-13	1565-0-0183	10	99
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1701-24G	1799-0-0436	10	146
1701-28G	A 1799-0-0733	10	146
1701-81	A 1799-0-0895	10	181
1701-82	1799-0-0896	10	192
1701-83	1799-0-0905	10	181
1701-84	1799-0-0897	10/100	192
1701-85	A 1799-0-0898	10	192
1701-89	A 1799-0-0899	10	192
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1702-214	1799-0-0345	10	206
1702-217	1799-0-0378	10	206
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1702-24G	1799-0-0451	10	146
1702-28G	A 1799-0-0758	10	146
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1702-82	1799-0-0901	10	192
1702-83	1799-0-0906	10	181
1702-84	1799-0-0902	10	192
1702-85	A 1799-0-0903	10	192
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1703-24G	1799-0-0477	1/10	146
1703-28G	A 1799-0-0774	1	146
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1705 U-101	1799-0-0913	10/10	237
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1716-266	1731-0-1939	1	158
1716-28	A 1731-0-1935	1	140
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1721K A-263	1754-0-4159	10/100	163
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1721NS KA-212	1754-0-4093	10	221
1721NS KA-214	1754-0-4058	10	209
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1721-286	1754-0-4337	10	130
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1721-72	1754-0-4312	10/100	101
1721-726	1754-0-4133	10/100	101
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1721-80	1754-0-4104	10/100	119
1721-80G	1754-0-4326	10/100	119
1721-810	1754-0-4250	1	76
1721-821	1754-0-4258	1	76
1721-823-101	1754-0-4356	1	76
1721-825	1754-0-4322	1	76
1721-826-101	1754-0-4360	1	76
1721-84	1754-0-4109	10/100	119
1721-860	1754-0-4254	1	76
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1722 BS-20	1754-0-3922	10	40
1722 BS-21	1754-0-3930	10	40
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1722 KA-24G	1754-0-2999	10	164
1722 KA-255	A 1754-0-4143	10/100	164
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1722-286	1754-0-4338	10	130
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1722-72	1754-0-4313	10/100	101
1722-726	1754-0-4134	10/100	101
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1722-74	1754-0-2429	10/100	101
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1722-810	1754-0-4251	1	76
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1746/10-815		1710-0-3837	10	114
1746/10-82		1710-0-3521	10	72
1746/10-83		1710-0-3677	10	174
1746/10-84		1710-0-3522	10/100	72
1746/10-85	A	1710-0-3523	10	114
1746/10-86	A	1710-0-3524	10	114
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2601/2 SKWNH-53	1085-0-1610	10	242
2601/2 SKWNH-54	1085-0-1623	10	242
2601/2 W-53	1085-0-1605	10/100	242
2601/2 W-54	1085-0-1627	10	242
2601/2 WD	1084-0-0375	10	250
2601/2 WDD	1084-0-0409	10	250
2601/2 WDH	1084-0-0425	10	250
2601/2 WDI	1084-0-0821	10	251
2601/4 AP	1042-0-0688	10	226
2601/4 W-53	1085-0-1612	10	243
2601/4 W-54	1085-0-1625	10	243
2601/5 AP	1042-0-0639	10	225
2601/5 APGL	1042-0-0670	10	225
2601/5 W-53	1085-0-1606	10/100	242
2601/5 W-54	1085-0-1621	10	242
2601/5 WD	1084-0-0342	10	250
2601/5 WDI	1084-0-0839	10	251
2601/5-32	1042-0-0951	10	225
2601/5/20EW-53-503	1684-0-0324	5/50	245
2601/5/20EW-54-503	1684-0-0328	5/50	245
2601/6 AP	1042-0-0621	10/100	225
2601/6 APGL	1042-0-0662	10	225
2601/6 NAP	1042-0-0993	10	225
2601/6 SKAP	1052-0-0117	10	225
2601/6 SKW-53	1085-0-1607	10/100	242
2601/6 SKW-54	1085-0-1622	10	242
2601/6 SKWD	1084-0-0383	10	250
2601/6 SKWDI	1084-0-0854	10	251
2601/6 SKWNH-53	1085-0-1609	10/100	242
2601/6 SKWNH-54	1085-0-1631	10	242
2601/6 W-53	1085-0-1603	10/100	242
2601/6 W-54	1085-0-1628	10/100	242
2601/6 WD	1084-0-0334	10	250
2601/6 WDGL	1084-0-0714	10	250
2601/6 WDI	1084-0-0797	10	251
2601/6 WGL-53	1085-0-1613	10	242
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2601/6-32	1042-0-0944	10	225	3016 EUC-212	2122-0-0026	10/100	217
2601/6/20EW -53	1684-0-0316	5/50	245	3016 EUC-214-101	2122-0-0030	10/100	205
2601/6/20EW -54	1684-0-0327	5/50	245	3016 EUC-24G	2122-0-0028	10	31
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2601/7 AP	1042-0-0647	10	225	3016 EWN-53	2124-0-0024	10	247
2601/7 W-53	1085-0-1604	10/100	242	3016 EWN-54	2124-0-0026	10	247
2601/7 W-54	1085-0-1620	10	242	3016-02 EUJ-212	2123-0-0024	10	217
2601/7 WD	1084-0-0359	10	250	3030	N 1741-0-0067	5	40
2601/7 WDI	1084-0-0805	10	251	3031	N 1741-0-0068	5	40
2609 AP	1716-0-0026	20/200	227	3064	2561-0-0017	10	284
2609 WS	1716-0-0042	10	251	3070-2/35 BSDB	1741-0-0066	5	40
2610/6 AP	1343-0-0136	10	226	3072	1745-0-0017	10	217
2610/6UJ-212-50 0	1315-0-0415	10/100	219	3095-1	1747-0-0062	100/100	284
2610/6UJ-214	1315-0-0027	10	207	3099-0-0306	3099-0-0306		321
2610/6 W-53	1383-0-0141	10	244	3099-0-0314	3099-0-0314	1/20	321
2610/6 W-54	1383-0-0143	10	244	3118 EUCKS-212	3116-0-0597	1	215
2621 AP	1442-0-0201	10	225	3118 EUCKS-214	3116-0-0605	1	203
2621 AP-105	1442-0-0409	10/100	226	3118 EUGKS-44	3116-0-0647	1	236
2621 AP-107	1442-0-0458	10/100	225	3118 WSKS	3116-0-0639	1	248
2621 APGL	1442-0-0219	10	225	3120 EUCKS-212	3116-0-0613	1	216
2621NA P/KI	1442-0-0441	10	225	3120 EUCKS-214	3116-0-0621	1	203
2621 W-53	1484-0-0370	10/100	242	3120 EUCKS-82	3116-0-0655	1	73
2621 W-53-206	1484-0-0054	10	243	3120 EUCKS-84	3116-0-0656	1	73
2621 W-54	1484-0-0380	10	242	3150 UC-212	3117-0-0001	1	216
2621 W-54-206	1484-0-0377	10	243	3150 UC-214	3117-0-0002	1	204
2621 WD	1483-0-0106	10	250	34 W-101	2390-0-0060	20	285
2621 WDGL	1483-0-0155	10	250	34 WJ	2390-0-0045	10/100	285
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2621 WGL-53	1484-0-0371	10/100	243	3746 U-101	1712-0-0182	5/60	285
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2621 WN-54-201	1484-0-0378	10	243	6020-20	6020-0-0036	1/10	39
2621 WN-54-205-101	1484-0-0379	10	243	6020-21	6020-0-0044	1/10	39
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2621/4 AP	1442-0-0193	10	226	6020-24G-500	6020-0-1299	1	39
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2621/4 W-54	1442-0-0474	10	243	6021-20	6020-0-0754	1	39
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2622LI-1 01	1714-0-0260	100	234	6021-24-500	6020-0-1315	1	39
2622N-1 01	1714-0-0252	100	234	6021-24G-500	6020-0-1307	1	39
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2655 WS	1798-0-0065	10	249	6056 EB-127-500	6020-0-1352	1	39
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2655/13 WS	1798-0-0099	10	249	6066-21-102	6020-0-1317	1/10	38
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2712S LW-54	1101-0-0924	10	243	6066-783-101	6020-0-1386	1	95
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6129-82-101	6135-0-0129	1	413
6129-83-101	6135-0-0130	1	413
6129-84-500-101	6135-0-0137	1	413
6129-85-101	A 6135-0-0132	1	413
6129-86-101	A 6135-0-0133	1	413
6129-866-101	6135-0-0138	1	413
6129-87-101	6135-0-0134	1	413
6129-88-101	A 6135-0-0135	1	413
6129-89-101	A 6135-0-0136	1	413
6131-183-102-500	6132-0-0158	1	423
6131-74-102-500	6132-0-0156	1/10	423
6132-20-102	6132-0-0105	1	419
6132-21-102	6132-0-0113	1	419
6132-22G-102	6132-0-0131	1	419
6132-233-102	A 6132-0-0132	1	419
6132-24-102-500	6132-0-0124	1/10	419
6132-24-102M-500	A 6132-0-0112	1/10	419
6132-24G-102	6132-0-0115	1/10	419
6132-24G-102M	A 6132-0-0110	1	419
6132-255-102	A 6132-0-0133	1	419
6132-26-102	6132-0-0149	1/10	419
6132-26-102M	A 6132-0-0150	1/10	419
6132-260-102	A 6132-0-0134	1	419
6132-266-102	A 6132-0-0135	1	419
6132-28-102	6132-0-0118	1	419
6132-71-102	6132-0-0119	1	419
6132-74-102	6132-0-0120	1	419
6132-74-102M	6132-0-0111	1	419
6132-79-102	6132-0-0123	1	419
6133US B-20	6133-0-0173	1	420
6133US B-21	6133-0-0174	1	420
6133US B-22G	6133-0-0168	1	420
6133US B-233	A 6133-0-0169	1	420
6133US B-24	6133-0-0175	1	420
6133US B-24G	6133-0-0176	1	420
6133US B-255	A 6133-0-0170	1	420
6133US B-26	6133-0-0190	1	420
6133US B-260	A 6133-0-0171	1	420
6133US B-266	A 6133-0-0172	1	420
6133US B-28	6133-0-0178	1	420
6133-20-101	6133-0-0157	1	420
6133-21-101	6133-0-0158	1	420
6133-22G-101	6133-0-0152	1	420
6133-233-101	A 6133-0-0153	1	420
6133-24-101-500	6133-0-0163	1	420
6133-24G-101	6133-0-0160	1	420
6133-255-101	A 6133-0-0154	1	420
6133-26-101	6133-0-0167	1	420
6133-260-101	A 6133-0-0155	1	420
6133-266-101	A 6133-0-0156	1	420
6133-28-101	6133-0-0161	1	420
6134-20-102	6134-0-0135	1	419
6134-21-102	6134-0-0136	1	419
6134-22G-102	6134-0-0143	1	419
6134-233-102	A 6134-0-0144	1	419

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6134-24-102	6134-0-0137	1	419
6134-24G-102	6134-0-0138	1	419
6134-255-102	A 6134-0-0145	1	419
6134-26-102	6134-0-0158	1	419
6134-260-102	A 6134-0-0146	1	419
6134-266-102	A 6134-0-0147	1	419
6134-28-102	6134-0-0141	1	419
6134/10	6134-0-0149	1	426
6135-20-102	6135-0-0100	1/10	418
6135-21-102	6135-0-0101	1/10	418
6135-22G-102	6135-0-0106	1/10	418
6135-233-102	A 6135-0-0107	1/10	418
6135-24-102-500	6135-0-0103	1	418
6135-24G-102	6135-0-0104	1/10	418
6135-255-102	A 6135-0-0108	1/10	418
6135-26-102	6135-0-0124	1/10	418
6135-260-102	A 6135-0-0109	1/10	418
6135-266-102	A 6135-0-0110	1/10	418
6135-28-102	6135-0-0105	1/10	418
6136-20-102	6136-0-0162	1	419
6136-21-102	6136-0-0163	1	419
6136-22G-102	A 6136-0-0156	1	419
6136-233-102	A 6136-0-0158	1	419
6136-24-500-102	6136-0-0167	1	419
6136-24G-102	6136-0-0157	1	419
6136-255-102	A 6136-0-0159	1	419
6136-26-102	6136-0-0165	1	419
6136-260-102	A 6136-0-0160	1	419
6136-266-102	A 6136-0-0161	1	419
6136-28-102	6136-0-0166	1	419
6136/10-500	6136-0-0139	1	425
6136/100 C-102-500	N 6136-0-0185	1	425
6136/100 CB-102	N 6136-0-0186	1	425
6136/11-500	6136-0-0141	1	425
6136/13-500	6136-0-0155	1	425
6136/UP	6136-0-0124	1	425
6138/11-83-500	N 6138-0-0005	1	446
6138/11-84-500	N 6138-0-0003	1/10	446
6145/10	6140-0-0027	1	436
6146/10	6146-0-0022	1	436
6149/21-500	6133-0-0201	1	411
6151 EB-500	6151-0-0021	1	429
6152 EB-101-500	6152-0-0029	1	430
6153 EB-500	6153-0-0027	1	430
6155 EB-101-500	6151-0-0062	1	430
6164 U-500	6151-0-0168	1/10	428
6172 AG-101-500	A 6151-0-0153	1	433
6173 AG-101-500	A 6151-0-0138	1	433
6179 AGM-204-500	6132-0-0160	1/10	423
6179 AGM-208-500	6132-0-0162	1	423
6183	6183-0-0016	1/100	455
6183-101	6183-0-0032	100	455
6186 UP-500	6186-0-0021	1	424
6190/41	6190-0-0031	1	437
6190/42	6190-0-0032	1	437
6190/43	6190-0-0033	1	437
6190/44	6190-0-0034	1	437
6190/45	6190-0-0035	1	437
6190/49-101	6190-0-0040	1	437
6197/11-102-500	A 6198-0-0102	1	450
6197/12-500	N 6197-0-0025	1	450
6197/13-500	N 6197-0-0026	1	450
6321-20	6300-0-0883	1	420
6321-21	6300-0-0891	1	420
6321-22G	6300-0-1338	1	420
6321-24	6300-0-0909	1	420
6321-24G	6300-0-0917	1	420
6321-255	6300-0-1253	1	420
6321-260	6300-0-1252	1	420
6321-71	6300-0-0560	1	420
6321-79	6300-0-0941	1	420
6321-83	6300-0-1331	1	420
6322-20-101	6300-0-1014	1	421
6322-21-101	6300-0-1097	1	421
6322-22G-101	6300-0-1339	1	421
6322-24-101	6300-0-1113	1	421
6322-24G-101	6300-0-1121	1/100	421
6322-255-101	6300-0-1258	1	421
6322-260-101	6300-0-1257	1	421
6322-71-101	6300-0-1162	1	421
6322-79-101	6300-0-1212	1	421
6322-83-101	6300-0-1332	1	421

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6323-20	6300-0-0958	1	421
6323-21	6300-0-0966	1	421
6323-22G	6300-0-1340	1	421
6323-24	6300-0-0974	1	421
6323-24G	6300-0-0982	1	421
6323-255	6300-0-1263	1	421
6323-260	6300-0-1262	1	421
6323-71	6300-0-0586	1	421
6323-79	6300-0-1022	1	421
6323-83	6300-0-1333	1	421
6324-20	6300-0-0800	1	421
6324-21	6300-0-0818	1	421
6324-22G	6300-0-1341	1	421
6324-24	6300-0-0826	1	421
6324-24G	6300-0-0834	1	421
6324-255	6300-0-1268	1	421
6324-260	6300-0-1267	1	421
6324-71	6300-0-0578	1	421
6324-79	6300-0-0875	1	421
6324-83	6300-0-1334	1	421
6325-20	6300-0-1030	1	421
6325-21	6300-0-1048	1	421
6325-22G	6300-0-1342	1	421
6325-24	6300-0-1055	1	421
6325-24G	6300-0-1063	1	421
6325-255	6300-0-1273	1	421
6325-260	6300-0-1272	1	421
6325-71	6300-0-0594	1	421
6325-79	6300-0-1105	1	421
6325-83	6300-0-1335	1	421
6326-20-101	6300-0-1215	1	422
6326-21-101	6300-0-1216	1	422
6326-22G-101	6300-0-1343	1	422
6326-24-101	6300-0-1217	1	422
6326-24G-101	6300-0-1218	1	422
6326-255-101	6300-0-1278	1	422
6326-260-101	6300-0-1277	1	422
6326-71-101	6300-0-1223	1	422
6326-79-101	6300-0-1227	1	422
6326-83-101	6300-0-1336	1	422
6327-20	6300-0-1228	1	422
6327-21	6300-0-1229	1	422
6327-22G-101	6300-0-1344	1	422
6327-24	6300-0-1230	1	422
6327-24G	6300-0-1231	1	422
6327-255	6300-0-1283	1	422
6327-260	6300-0-1282	1	422
6327-71	6300-0-1236	1	422
6327-79	6300-0-1240	1	422
6327-83	6300-0-1337	1	422
6340-24G-500	6310-0-0065	1	409
6340-810-500	6310-0-0063	1	409
6340-825-500	6310-0-0064	1	409
6340-866-500	6310-0-0062	1	409
6341-24G-500	6310-0-0069	1	410
6341-810-500	6310-0-0067	1	410
6341-825-500	6310-0-0068	1	410
6341-866-500	6310-0-0066	1	410
6342-24G-500	6310-0-0073	1	409
6342-810-500	6310-0-0071	1	409
6342-825-500	6310-0-0072	1	409
6342-866-500	6310-0-0070	1	409
6344-24G-500	6310-0-0077	1	410
6344-810-500	6310-0-0075	1	410
6344-825-500	6310-0-0076	1	410
6344-866-500	6310-0-0074	1	410
6346/10-500	6310-0-0082	1	409
6346/11-500	6310-0-0083	1	409
6346/12-500	6310-0-0084	1	409
6348-24G-500	6310-0-0090	1	410
6348-810-500	6310-0-0088	1	410
6348-825-500	6310-0-0089	1	410
6348-860-500	6310-0-0087	1	410
6349-24G-500	6310-0-0038	1	410
6349-810-500	6310-0-0036	1	410
6349-825-500	6310-0-0037	1	410
6349-860-500	6310-0-0035	1	410
6350-825-500	6310-0-0091	1	410
6352-24G-500	6310-0-0048	1	410
6352-810-500	6310-0-0046	1	410
6352-825-500	6310-0-0047	1	410
6352-860-500	6310-0-0045	1	410

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6353/30-860-500	6310-0-0094	1/10	410
6353/40-860-500	6310-0-0095	1/10	411
6353/50-860-500	6310-0-0096	1/10	411
6401 U-102-127-500	6401-0-0050	1/10	55
6401 U-102-500	6401-0-0049	1/10	55
6402 U-500	6401-0-0051	1/10	56
6404 U	6401-0-0055	1	356
6411 U-101	6410-0-0377	1/10	52
6411 U/S-500-101	6410-0-0380	1/10	52
6413-500	6410-0-0349	100	61
6414-101	6410-0-0389	1/10	371
6414-500	6410-0-0348	10	61
6415	6410-0-0302	10	375
6415/24	6410-0-0363	1/10	375
6418 U-500	6410-0-0376	1/10	52
6420 EB-500	6420-0-0020	1	373
6430-20-101	6430-0-0256		38
6430-20-102	6430-0-0319	1/10	139
6430-21-101	6430-0-0257		38
6430-21-102	6430-0-0320	1/10	139
6430-212-102	6430-0-0313	1/10	212
6430-214-102	6430-0-0314	1/10	200
6430-22G-101	6430-0-0258		38
6430-22G-102	6430-0-0321	1/10	139
6430-233-102	A 6430-0-0315	1/10	157
6430-24-101	6430-0-0259		38
6430-24-102	6430-0-0322	1/10	139
6430-24G-102	6430-0-0323	1/10	139
6430-255-102	A 6430-0-0316	1/10	157
6430-26-102	A 6430-0-0324	1/10	139
6430-260-101	6430-0-0279		38
6430-260-102	6430-0-0317	1/10	157
6430-266-101	6430-0-0280		38
6430-266-102	6430-0-0318	1/10	157
6430-28-102	A 6430-0-0325	1/10	139
6430-71	A 6430-0-0227	1	96
6430-72	6430-0-0337	1	96
6430-74	6430-0-0144	1	96
6430-777	6430-0-0346	1	96
6430-783	6430-0-0338	1	96
6430-79	6430-0-0177	1	96
6430-803-102	6430-0-0350	1/10	111
6430-81-102	A 6430-0-0326	1/10	70
6430-815-102	6430-0-0348	1/10	111
6430-82-102	6430-0-0327	1/10	70
6430-83-102	6430-0-0328	1/10	173
6430-84-102	6430-0-0329	1/10	70
6430-85-102	A 6430-0-0330	1/10	111
6430-86-102	A 6430-0-0331	1/10	111
6430-866-102	6430-0-0343	1/10	83
6430-87-102	6430-0-0332	1/10	111
6430-88-102	A 6430-0-0333	1/10	111
6430-89-102	A 6430-0-0334	1/10	186
6435-20	6430-0-0291	10	139
6435-21	6430-0-0292	10	139
6435-212	6430-0-0285	10/100	212
6435-214	6430-0-0286	10/100	200
6435-22G	6430-0-0293	10	139
6435-233	A 6430-0-0287	10	157
6435-24	6430-0-0294	10/100	139
6435-24G	6430-0-0295	10	139
6435-255	A 6430-0-0288	10	157
6435-26	A 6430-0-0296	10	139
6435-260	6430-0-0289	10	157
6435-266	6430-0-0290	10	157
6435-28	A 6430-0-0297	10	139
6435-71	A 6430-0-0299	10	96
6435-72	6430-0-0341	10	96
6435-74	6430-0-0300	10	96
6435-777	6430-0-0347	10	96
6435-783	6430-0-0342	10	96
6435-79	6430-0-0302	10	96
6435-803	6430-0-0351	10	112
6435-81	A 6430-0-0303	10	70
6435-815	6430-0-0349	10	112
6435-82	6430-0-0304	10	70
6435-83	6430-0-0305	10	173
6435-84	6430-0-0306	10	70
6435-85	A 6430-0-0307	10	112
6435-86	A 6430-0-0308	10	112
6435-866	6430-0-0344	10	83

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6435-88	A 6430-0-0310	10	112	6543-24G-102	6599-0-2824	1/10	138
6435-89	A 6430-0-0311	10	186	6543-255-102	A 6599-0-2868	1/10	156
6445	6410-0-0368	1	375	6543-26-102	A 6599-0-2277	1/10	138
6455-500	6410-0-0373	1/10	61	6543-260-102	6599-0-2869	1/10	37
6456	6410-0-0374	1/10	61	6543-266-102	6599-0-2870	1/10	37
6457	6410-0-0382	1/10	62	6543-28-102	A 6599-0-2827	1/10	138
6465U	6410-0-0278	1/10	52	6543-71-101	A 6599-0-2720	1	96
6480U-1 02	6410-0-0371	1/10	52	6543-72-101	6599-0-2920	1	96
6481-102	6410-0-0370	1	61	6543-74-101	6599-0-2597	1	96
6482	6410-0-0203	1	61	6543-777-101	6599-0-2934	1	96
6498	6410-0-0383	1/10	61	6543-783-101	6599-0-2921	1	96
6499	6410-0-0369		375	6543-79-101	6599-0-2621	1	96
6513U-1 02-500	6513-0-0586	1/10	53	6543-803-101	6599-0-2942	1/10	110
6513-102-500	6513-0-0543	1	320	6543-81-101	A 6599-0-2881	1/10	69
6517U-1 01-500	6517-0-0018	1/10	53	6543-815-101	6599-0-2938	1/10	110
6519U	6519-0-0011	1	53	6543-82-101	6599-0-2831	1/10	69
6520U-50 0	6520-0-0227	1/10	54	6543-83-101	6599-0-2887	1/10	172
6540-20	6599-0-1458	10	37	6543-84-101	6599-0-2834	1/10	69
6540-21	6599-0-1490	10	37	6543-85-101	A 6599-0-2837	1/10	110
6540-22G	6599-0-2803	10	37	6543-86-101	A 6599-0-2840	1/10	110
6540-233	A 6599-0-2858	10/100	155	6543-866-101	6599-0-2926	1/10	83
6540-24	6599-0-1540	10	37	6543-87-101	6599-0-2843	1/10	110
6540-24G	6599-0-2324	10	137	6543-88-101	A 6599-0-2846	1/10	110
6540-255	A 6599-0-2861	10/100	155	6543-89-101	A 6599-0-2865	1/10	184
6540-26	A 6599-0-2275	10	137	6543/10-500	6599-0-0181	1/10	320
6540-260	6599-0-2852	10/100	37	6543/11-500	6599-0-0183	1/10	321
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6540-28	A 6599-0-2373	10	137	6545-20	6599-0-2890	1/10	37
6540-71	A 6599-0-2688	1	95	6545-21	6599-0-2891	1/10	37
6540-72	6599-0-2916	1	95	6545-212	6599-0-2888	1/10	211
6540-74	6599-0-2084	1	95	6545-214	6599-0-2889	1/10	199
6540-777	6599-0-2932	1	95	6545-22G	6599-0-2892	1/10	37
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6540-79	6599-0-2159	1	95	6545-24	6599-0-2893	1/10	37
6540-803-101	6599-0-2941	10	109	6545-24G	6599-0-2894	1/10	138
6540-81-101	A 6599-0-2880	10	69	6545-255	A 6599-0-2898	1/10	156
6540-815-101	6599-0-2937	10	109	6545-26	A 6599-0-2895	1/10	138
6540-82-101	6599-0-2830	10/100	69	6545-260	6599-0-2899	1/10	37
6540-83-101	6599-0-2886	10	171	6545-266	6599-0-2900	1/10	37
6540-84-101	6599-0-2833	10/100	69	6545-28	A 6599-0-2896	1/10	138
6540-85-101	A 6599-0-2836	10/100	109	6545-71	A 6599-0-2902	1	96
6540-86-101	A 6599-0-2839	10	109	6545-72	6599-0-2922	1	96
6540-866-101	6599-0-2925	10/100	82	6545-74	6599-0-2903	1	96
6540-87-101	6599-0-2842	10	109	6545-777	6599-0-2935	1	96
6540-88-101	A 6599-0-2845	10	109	6545-783	6599-0-2923	1	96
6540-89-101	A 6599-0-2864	10/100	184	6545-79	6599-0-2905	1	96
6541-20	6599-0-1466	10	137	6545-803	6599-0-2943	1/10	110
6541-21	6599-0-1524	10	137	6545-81	A 6599-0-2906	1/10	69
6541-22G	6599-0-2795	10	137	6545-815	6599-0-2939	1/10	110
6541-233	A 6599-0-2859	10	155	6545-82	6599-0-2907	1/10	69
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6541-24G	6599-0-2332	10	137	6545-84	6599-0-2908	1/10	69
6541-255	A 6599-0-2862	10	155	6545-85	A 6599-0-2909	1/10	110
6541-26	A 6599-0-2276	10	137	6545-86	A 6599-0-2910	1/10	110
6541-260	6599-0-2853	10	155	6545-866	6599-0-2927	1/10	83
6541-266	6599-0-2856	10	155	6545-87	6599-0-2911	1/10	110
6541-28	A 6599-0-2357	10	137	6545-88	A 6599-0-2912	1/10	110
6541-71	A 6599-0-2647	10	95	6545-89	A 6599-0-2913	1/10	185
6541-72	6599-0-2918	10	95	6550	6550-0-0016	1	320
6541-74	6599-0-2076	10	95	6550 U-101-500	6550-0-0042	1	55
6541-777	6599-0-2933	10	95	6560 U-101	6560-0-1205	1/10	54
6541-783	6599-0-2919	10	95	6560-101	6560-0-1206	1	321
6541-79	6599-0-2142	10	95	6565 U-500	6565-0-0057	1/10	53
6541-803	6599-0-2940	10	109	6583-500	6599-0-0178	1/10	320
6541-81	A 6599-0-2882	10	69	6584-500	6599-0-0179	1/10	320
6541-815	6599-0-2936	10	109	6590 U-127-500	6599-0-0156	1/10	313
6541-82	6599-0-2832	10	69	6591 U-101-500	6513-0-0588	1/10	54
6541-83	6599-0-2885	10	171	6592 U-500	6513-0-0590	1	54
6541-84	6599-0-2835	10	69	6593 U-500	6599-0-0171	1/10	54
6541-85	A 6599-0-2838	10	109	6594 U-500	6599-0-0172	1	54
6541-86	A 6599-0-2841	10	109	6595 U	6599-0-0188	1	356
6541-866	6599-0-2924	10	82	6597-500	6599-0-0155	1/10	321
6541-87	6599-0-2844	10	109	6598	6599-0-0168	10	321
6541-88	A 6599-0-2847	10	109	6701	6700-0-0022	1/10	330
6541-89	A 6599-0-2866	10	184	6720-64	6720-0-0001	1	358
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6543-214-102	6599-0-2816	1/10	199	6721-65	6720-0-0005	1	358
6543-22G-102	6599-0-2822	1/10	37	6730-20	6730-0-0007	1	145
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6730-24	6730-0-0010	1	145
6730-24G	6730-0-0011	1	145
6730-255	A 6730-0-0004	1	162
6730-26	A 6730-0-0012	1	145
6730-260	6730-0-0005	1	162
6730-266	6730-0-0006	1	162
6730-28	A 6730-0-0013	1	145
6730-803	6730-0-0025	1	118
6730-81	A 6730-0-0014	1	75
6730-815	6730-0-0024	1	118
6730-82	6730-0-0015	1	75
6730-83	6730-0-0016	1	180
6730-84	6730-0-0017	1	75
6730-85	A 6730-0-0018	1	118
6730-86	A 6730-0-0019	1	118
6730-866	6730-0-0023	1	88
6730-87	6730-0-0020	1	118
6730-88	A 6730-0-0021	1	118
6730-89	A 6730-0-0022	1	191
6745 AGM-201	6700-0-0019	1	330
6745 AGM-204	6700-0-0018	1/10	330
6745 AGM-208	6700-0-0021	1	330
6745 AGM-35	6700-0-0020	1	330
6800-20-104	6800-0-2068	1	37
6800-20-104M	6800-0-2084	1	37
6800-21-104	6800-0-2069	1	37
6800-21-104M	6800-0-2085	1	37
6800-212-104-500	6800-0-2164	1	218
6800-212-104M-500	6800-0-2166	1	219
6800-214-104	6800-0-2067	1/10	206
6800-214-104M	6800-0-2083	1/10	206
6800-22G-104	6800-0-2070	1	37
6800-22G-104M	6800-0-2086	1	37
6800-233-104	A 6800-0-2122	1/10	163
6800-233-104M	A 6800-0-2123	1	163
6800-24-104-500	6800-0-2168	1	37
6800-24-104M-500	6800-0-2169	1	37
6800-24G-104-500	6800-0-2170	1	145
6800-24G-104M	6800-0-2088	1	145
6800-255-104	A 6800-0-2124	1/10	163
6800-255-104M	A 6800-0-2125	1	163
6800-26-104	A 6800-0-2232	1	145
6800-26-104M	A 6800-0-2233	1	145
6800-260-104	6800-0-2118	1/10	37
6800-260-104M	6800-0-2119	1/10	37
6800-266-104	6800-0-2120	1/10	37
6800-266-104M	6800-0-2121	1/10	37
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6800-34-102C	6800-0-1674	1	236
6800-35-102C	6800-0-1740	1	236
6800-71-104	A 6800-0-2077	1	101
6800-71-104M	A 6800-0-2093	1	101
6800-72-104	6800-0-2338	1/10	101
6800-72-104M	6800-0-2339	1	101
6800-74-104-500	6800-0-2172	1	101
6800-74-104M-500	6800-0-2173	1	101
6800-777-104	6800-0-2357	1	101
6800-777-104M	6800-0-2358	1	101
6800-783-104	6800-0-2340	1	101
6800-783-104M	6800-0-2341	1	101
6800-79-104	6800-0-2081	1	101
6800-79-104M	6800-0-2097	1	101
6800-803-104	6800-0-2484	1	118
6800-803-104M	6800-0-2485	1	118
6800-81-104	A 6800-0-2268	1	75
6800-81-104M	A 6800-0-2269	1	75
6800-815-104	6800-0-2482	1	118
6800-815-104M	6800-0-2483	1	118
6800-82-104	6800-0-2099	1/10	75
6800-82-104M	6800-0-2100	1	75
6800-83-104	6800-0-2325	1	181
6800-83-104M	6800-0-2327	1	181
6800-84-104	6800-0-2101	1/10	75
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6800-86-104M	A 6800-0-2106	1	118
6800-866-104	6800-0-2343	1	88
6800-866-104M	6800-0-2344	1	89
6800-87-104	6800-0-2107	1	118
6800-87-104M	6800-0-2108	1	118
6800-88-104	A 6800-0-2109	1	118
6800-88-104M	A 6800-0-2110	1	118
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6800-89-104M	A 6800-0-2158	1	192
6804 U-101-500	6800-0-2219	1/10	56
6805 U-500	6800-0-2161	1/10	56
6810-212-101-500	6800-0-2162	1	218
6810-214-101-500	6800-0-2163	1	206
6812 U-101-500	6800-0-2160	1/10	56
6813-101-500	6800-0-2178	1/10	333
6813-183-101-500	6800-0-2324	1	333
6813/11-183-500	N 6800-0-2352	1	333
6813/11-24-500	6800-0-2350	1	333
6815 U	6800-0-2270	1/10	30
6815-20	6800-0-2273	1/10	30
6815-21	6800-0-2274	1/10	30
6815-212	6800-0-2271	1/10	211
6815-214	6800-0-2272	1/10	199
6815-22G	6800-0-2275	1/10	30
6815-233	A 6800-0-2280	1/10	155
6815-24	6800-0-2276	1/10	30
6815-24G	6800-0-2277	1/10	137
6815-255	A 6800-0-2281	1/10	155
6815-26	A 6800-0-2278	1/10	137
6815-260	6800-0-2282	1/10	30
6815-266	6800-0-2283	1/10	30
6815-28	A 6800-0-2279	1/10	137
6815-803	6800-0-2481	1/10	110
6815-81	A 6800-0-2284	1/10	69
6815-815	6800-0-2480	1/10	110
6815-82	6800-0-2285	1/10	69
6815-83	6800-0-2342	1/10	171
6815-84	6800-0-2286	1/10	69
6815-85	A 6800-0-2287	1/10	110
6815-86	A 6800-0-2288	1/10	110
6815-866	6800-0-2345	10/10	82
6815-87	6800-0-2289	1/10	110
6815-88	A 6800-0-2290	1/10	110
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6816 U	N 6800-0-2355	1/10	55
6820-24-101-500	NA 6800-0-2348	1	346
6820-80-101	A 6800-0-2347	1	346
6822	A 6800-0-2215	1	346
6825	A 6800-0-2328	1	346
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6842	6899-0-0299	1	333
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6845/11AGM-204-500	6800-0-2334	1	331
6845/11AGM-208-500	6800-0-2337	1	331
6846 AGM-201-500	6800-0-2308	1	332
6846 AGM-204-500	N 6800-0-2307	1	332
6846 AGM-35-500	N 6800-0-2309	1	332
6849 AGM-201	6800-0-2311	1	330
6849 AGM-204-500	6800-0-2314	1	330
6849 AGM-208	6800-0-2313	1	330
6849 AGM-35	6800-0-2312	1	330
6853 AGM-201	6800-0-2318	1	331
6853 AGM-204-500	6800-0-2321	1/10	331
6853 AGM-208	6800-0-2320	1	331
6853 AGM-35-500	6800-0-2322	1	331
6885-183-500	6899-0-0298	1	333
6885-500	6899-0-0282	1/10	333
6887-201-500	6899-0-0293	1	332
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8136/20-500	8136-0-0004	1	424	8253-21	8200-0-0094	1/10	297
8136/23-500	8136-0-0006	1	424	8253-212	8200-0-0076	1/10	297
8136/30-500	N 8136-0-0012	1	424	8253-214	8200-0-0077	1/10	297
8136/31-500	N 8136-0-0014	1	424	8253-22G	8200-0-0095	1/10	297
8136/40-500	8136-0-0016	1	424	8253-233	A 8200-0-0100	1/10	297
8136/41-500	8136-0-0018	1	424	8253-24	8200-0-0096	1/10	297
8136/UP-500	8136-0-0020	1	424	8253-24G	8200-0-0097	1/10	297
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8202	8200-0-0118	1	298	8253-26	A 8200-0-0098	1/10	297
8205	8200-0-0120	1	298	8253-260	8200-0-0102	1/10	297
8208	8200-0-0107	1/10	298	8253-266	8200-0-0103	1/10	297
8209-101	8200-0-0106	1/10	298	8253-28	A 8200-0-0099	1/10	297
8210U	8200-0-0108	1	299	8253-71	A 8200-0-0088	1/10	297
8211U	8200-0-0010	1/10	299	8253-72	8200-0-0089	1/10	297
8212U	A 8200-0-0011	1/10	299	8253-74	8200-0-0090	1/10	297
8214U	8200-0-0119	1/10	298	8253-777	8200-0-0117	1/10	297
8215U	8200-0-0041	1/10	296	8253-783	8200-0-0092	1/10	297
8220-84	8200-0-0111	1/10	296	8253-79	8200-0-0091	1/10	297
8221U	8200-0-0012	1/10	86	8253-803	8200-0-0115	1/10	297
8222EB	8200-0-0013	1/5	300	8253-81	A 8200-0-0078	1/10	297
8223U	8200-0-0042	1/10	296	8253-815	8200-0-0116	1/10	297
8224EB	8200-0-0109	1/5	300	8253-82	8200-0-0079	1/10	297
8227	8200-0-0110	1/10	300	8253-83	8200-0-0080	1/10	297
8228	8200-0-0014	1/10	300	8253-84	8200-0-0081	1/10	297
8229/1	8200-0-0015	1/10	300	8253-85	A 8200-0-0082	1/10	297
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8251-20	8200-0-0020	10	299	8253-89	A 8200-0-0086	1/10	297
8251-21	8200-0-0021	10	299	A 8367 BOX	1799-0-0892	10	40
8251-212	8200-0-0018	10	299	A 8368 BOX	1799-0-0891	10	40
8251-214	8200-0-0019	10	299	AA/S 4.1	2CDG120005R0011		445
8251-22G	8200-0-0022	10	299	AAM/S 4.1	2CDG120006R0011		445
8251-233	A 8200-0-0027	10	299	ABL/S 2.1	2CDG110073R0011		452
8251-24	8200-0-0023	10	299	ABZ/S 2.1	2CDG110072R0011		452
8251-24G	8200-0-0024	10	299	AE/A 2.1	2CDG110086R0011		434
8251-255	A 8200-0-0028	10	299	AE/S 4.2	2CDG110030R0011		434
8251-26	A 8200-0-0025	10	299	AM/S 12.1	GHQ6310062R0111		453
8251-260	8200-0-0029	10	299	APBS	6599-0-2813	10/100	40
8251-266	8200-0-0030	10	299	BDB/S 1.1	2CDG110067R0011		439
8251-28	A 8200-0-0026	10	299	BE/M 4.12.1	2CDG110007R0011		431
8251-803	8200-0-0105	10	299	BE/M 4.230.1	2CDG110005R0011		431
8251-81	A 8200-0-0031	10	176	BE/M 4.24.1	2CDG110006R0011		431
8251-815	8200-0-0104	10	299	BE/S 4.20.1	2CDG110053R0011		433
8251-82	8200-0-0032	10	176	BE/S 4.230.1	2CDG110051R0011		433
8251-83	8200-0-0039	10	176	BE/S 4.24.1	2CDG110052R0011		433
8251-84	8200-0-0033	10	176	BE/S 8.20.1	2CDG110056R0011		434
8251-85	A 8200-0-0034	10	299	BE/S 8.230.1	2CDG110054R0011		434
8251-86	A 8200-0-0035	10	299	BE/S 8.24.1	2CDG110055R0011		434
8251-866	8200-0-0040	10	89	DG/S 1.1	2CDG110026R0011		451
8251-87	8200-0-0036	10	299	DG/S 1.16.1	N 2CDG110103R0011		451
8251-88	A 8200-0-0037	10	299	DG/S 8.1	2CDG110025R0011		452
8251-89	A 8200-0-0038	10	176	DR/S 4.1	2CDG110029R0011		454
8252-20	8200-0-0065	10	296	DSA/S 2.16.1	2CDG110009R0011		452
8252-21	8200-0-0066	10	296	DSM/S 1.1	2CDG110060R0011		438
8252-212	8200-0-0048	10	296	EA/S 232.5	GHQ6310043R0111		454
8252-214	8200-0-0049	10	296	EMA/B	GHV9220009V0004		438
8252-22G	8200-0-0067	10	296	EMA/W	GHV9220009V0003		438
8252-233	A 8200-0-0072	10	296	ER/U 1.1	GHQ6310044R0111		446
8252-24	8200-0-0068	10	296	ES/M 2.230.1	2CDG110013R0011		432
8252-24G	8200-0-0069	10	296	ES/M 2.24.1	2CDG110014R0011		432
8252-255	A 8200-0-0073	10	296	ES/S 4.1.1	GHQ6310061R0111		445
8252-26	A 8200-0-0070	10	296	EUB/S 1.1	2CDG110066R0011		439
8252-260	8200-0-0074	10	296	FA/A 2.1	GHQ6050031R0021		435
8252-266	8200-0-0075	10	296	FC/S 1.1	2CDG120001R0011		446
8252-28	A 8200-0-0071	10	296	FCA/S 1.1M	2CDG110084R0011		446
8252-71	A 8200-0-0060	10	297	FW/S 4.5	GHQ6050060R0001		435
8252-72	8200-0-0061	10	297	H420			86
8252-74	8200-0-0062	10	297	HC920			86
8252-777	8200-0-0114	10	297	HORC420			86
8252-783	8200-0-0064	10	297	HRC400			86
8252-79	8200-0-0063	10	297	HRC910			86
8252-803	8200-0-0112	10	296	HS/S 3.1	GHQ6050063R0001		436
8252-81	A 8200-0-0050	10	296	IPR/S 2.1	2CDG110061R0011		454
8252-815	8200-0-0113	10	296	IPS/S 2.1	2CDG110098R0011		454
8252-82	8200-0-0051	10	296	JA/M 2.230.1	2CDG110003R0011		431
8252-83	8200-0-0052	10	296	JA/M 2.24.1	2CDG110004R0011		431
8252-84	8200-0-0053	10	296	JA/S 2.230.1	GHQ6310071R0111		447
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JSB/S1.1	GHQ6310084R0111		437
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KS/K4.1	GHQ6301910R0001		453
LF/U1.1	GHQ6310039R0111		431
LF/U2.1	2CDG110089R0011		449
LFA/S1.1	2CDG110077R0011		445
LFA/S2.1	2CDG110078R0011		446
LK/S4.1	2CDG110027R0011		454
LL/S1.1	GHQ6050053R0001		454
LM/S1.1	GHQ6310080R0111		452
LR/M1.6.1	2CDG110011R0011		431
LR/S2.16.1	2CDG110087R0011		448
LR/S4.16.1	2CDG110088R0011		449
MCBS	1012-0-2068	20	40
MRS/B	GHQ3201972R0002		438
MRS/W	GHQ3201972R0001		438
MT/S4.12.1	GHQ6310027R0111		438
MT/U2.12.1	GHQ6310060R0111		438
NT/S12.160.0	GHQ6050056R0002		440
NT/S24.80.0	GHQ6050057R0002		440
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PK/E1.1	GHQ6001943R0001		435
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PS1/ 60/6-KNX	2CDG924004R0011		455
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0225-0-0086	0211	10	60
0230-0-0201	0239	10/100	59
0230-0-0227	0213	10/100	33
0230-0-0235	0214	10/100	34
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0230-0-0307	0233B S-22	10/100	36
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0230-0-0397	N 0220-507	10	33
0230-0-0398	N 0220/12-507	10	34
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0230-0-0400	N 0221/12-507	10	34
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0239-0-0079	0239-0-0079	50	286
0239-0-0087	0239-0-0087	50	286
0239-0-0095	0239-0-0095	10	286
0299-0-0032	0299-0-0032	10	60
0470-0-0013	0520PZ-VS	1	29
0470-0-0021	0521PZ-G S	1	29
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1012-0-1622	2001/5U	10/100	49
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1022-0-0623	2001/2 UKGL-101	10	49
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1084-0-0342	2601/5 WD	10	250
1084-0-0359	2601/7 WD	10	250
1084-0-0375	2601/2 WD	10	250
1084-0-0383	2601/6 SKWD	10	250
1084-0-0391	2601/2 SKWD	10	250
1084-0-0409	2601/2 WDD	10	250
1084-0-0425	2601/2 WDH	10	250
1084-0-0714	2601/6 WDGL	10	250
1084-0-0797	2601/6 WDI	10	251
1084-0-0805	2601/7 WDI	10	251
1084-0-0821	2601/2 WDI	10	251
1084-0-0839	2601/5 WDI	10	251
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1413-0-0491	2020U S-205	10	50
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1413-0-0533	2020U SGL	10/100	50
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6133-0-0193	6123U SB-83	1	417
6133-0-0194	6123-866	1	416
6133-0-0195	6123U SB-866	1	417
6133-0-0196	6123-815	1	416
6133-0-0197	6123-803	1	416
6133-0-0198	6123U SB-815	1	417
6133-0-0199	6123U SB-803	1	417
6133-0-0201	6149/21-500	1	411
6134-0-0135	6134-20-102	1	419
6134-0-0136	6134-21-102	1	419
6134-0-0137	6134-24-102	1	419
6134-0-0138	6134-24G-102	1	419
6134-0-0141	6134-28-102	1	419
6134-0-0143	6134-22G-102	1	419
6134-0-0144	A 6134-233-102	1	419
6134-0-0145	A 6134-255-102	1	419
6134-0-0146	A 6134-260-102	1	419
6134-0-0147	A 6134-266-102	1	419
6134-0-0149	6134/10	1	426
6134-0-0158	6134-26-102	1	419
6134-0-0173	A 6124-81-102	1	414
6134-0-0174	6124-82-102	1	414
6134-0-0175	6124-83-102	1	414
6134-0-0176	6124-84-102	1	414
6134-0-0178	A 6124-85-102	1	414
6134-0-0179	A 6124-86-102	1	414
6134-0-0180	6124-87-102	1	414
6134-0-0181	A 6124-88-102	1	414
6134-0-0182	A 6124-89-102	1	414
6134-0-0183	6124-866-102	1	414
6134-0-0184	A 6128-81-102	1	414
6134-0-0185	6128-82-102	1	414
6134-0-0186	6128-83-102	1	414
6134-0-0187	6128-84-102	1	414
6134-0-0189	A 6128-85-102	1	414
6134-0-0190	A 6128-86-102	1	414
6134-0-0191	6128-87-102	1	414
6134-0-0192	A 6128-88-102	1	414
6134-0-0193	A 6128-89-102	1	414
6134-0-0194	6128-866-102	1	414
6134-0-0235	6124-815-102	1	414

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6134-0-0236	6124-803-102	1	414
6134-0-0237	6128-815-102	1	414
6134-0-0238	6128-803-102	1	414
6135-0-0100	6135-20-102	1/10	418
6135-0-0101	6135-21-102	1/10	418
6135-0-0103	6135-24-102-500	1	418
6135-0-0104	6135-24G-102	1/10	418
6135-0-0105	6135-28-102	1/10	418
6135-0-0106	6135-22G-102	1/10	418
6135-0-0107	A 6135-233-102	1/10	418
6135-0-0108	A 6135-255-102	1/10	418
6135-0-0109	A 6135-260-102	1/10	418
6135-0-0110	A 6135-266-102	1/10	418
6135-0-0124	6135-26-102	1/10	418
6135-0-0128	A 6129-81-101	1	413
6135-0-0129	6129-82-101	1	413
6135-0-0130	6129-83-101	1	413
6135-0-0132	A 6129-85-101	1	413
6135-0-0133	A 6129-86-101	1	413
6135-0-0134	6129-87-101	1	413
6135-0-0135	A 6129-88-101	1	413
6135-0-0136	A 6129-89-101	1	413
6135-0-0137	6129-84-500-101	1	413
6135-0-0138	6129-866-101	1	413
6135-0-0139	6129-815-101	1	413
6135-0-0140	6129-803-101	1	413
6136-0-0124	6136/JUP	1	425
6136-0-0139	6136/10-500	1	425
6136-0-0141	6136/11-500	1	425
6136-0-0155	6136/13-500	1	425
6136-0-0156	A 6136-22G-102	1	419
6136-0-0157	6136-24G-102	1	419
6136-0-0158	A 6136-233-102	1	419
6136-0-0159	A 6136-255-102	1	419
6136-0-0160	A 6136-260-102	1	419
6136-0-0161	A 6136-266-102	1	419
6136-0-0162	6136-20-102	1	419
6136-0-0163	6136-21-102	1	419
6136-0-0165	6136-26-102	1	419
6136-0-0166	6136-28-102	1	419
6136-0-0167	6136-24-500-102	1	419
6136-0-0169	A 6128/10-81-101	1	415
6136-0-0170	6128/10-82-101	1	415
6136-0-0171	6128/10-83-101	1	415
6136-0-0172	6128/10-84-101	1	415
6136-0-0173	A 6128/10-85-101	1	415
6136-0-0174	A 6128/10-86-101	1	415
6136-0-0175	6128/10-87-101	1	415
6136-0-0176	A 6128/10-88-101	1	415
6136-0-0177	A 6128/10-89-101	1	415
6136-0-0179	6128/10-866-101	1	415
6136-0-0185	N 6136/100 C-102-500	1	425
6136-0-0186	N 6136/100 CB-102	1	425
6136-0-0190	6128/10-815-101	1	415
6136-0-0191	6128/10-803-101	1	415
6138-0-0003	N 6138/11-84-500	1/10	446
6138-0-0005	N 6138/11-83-500	1	446
6140-0-0027	6145/10	1	436
6146-0-0022	6146/10	1	436
6151-0-0021	6151 EB-500	1	429
6151-0-0062	6155 EB-101-500	1	430
6151-0-0138	A 6173 AG-101-500	1	433
6151-0-0153	A 6172 AG-101-500	1	433
6151-0-0168	6164 U-500	1/10	428
6151-0-0177	A 6114 U-500	1	426
6151-0-0187	6110 U-101-500	1/10	426
6152-0-0029	6152 EB-101-500	1	430
6153-0-0027	6153 EB-500	1	430
6156-0-0056	6109 U-500	1	426
6183-0-0016	6183	1/100	455
6183-0-0032	6183-101	100	455
6186-0-0021	6186 UP-500	1	424
6190-0-0031	6190/41	1	437
6190-0-0032	6190/42	1	437
6190-0-0033	6190/43	1	437
6190-0-0034	6190/44	1	437
6190-0-0035	6190/45	1	437
6190-0-0040	6190/49-101	1	437
6197-0-0025	N 6197/12-500	1	450
6197-0-0026	N 6197/13-500	1	450
6198-0-0102	A 6197/11-102-500	1	450
6300-0-0560	6321-71	1	420

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6300-0-0586	6323-71	1	421	6310-0-0067	6341-810-500	1	410
6300-0-0594	6325-71	1	421	6310-0-0068	6341-825-500	1	410
6300-0-0800	6324-20	1	421	6310-0-0069	6341-24G-500	1	410
6300-0-0818	6324-21	1	421	6310-0-0070	6342-866-500	1	409
6300-0-0826	6324-24	1	421	6310-0-0071	6342-810-500	1	409
6300-0-0834	6324-24G	1	421	6310-0-0072	6342-825-500	1	409
6300-0-0875	6324-79	1	421	6310-0-0073	6342-24G-500	1	409
6300-0-0883	6321-20	1	420	6310-0-0074	6344-866-500	1	410
6300-0-0891	6321-21	1	420	6310-0-0075	6344-810-500	1	410
6300-0-0909	6321-24	1	420	6310-0-0076	6344-825-500	1	410
6300-0-0917	6321-24G	1	420	6310-0-0077	6344-24G-500	1	410
6300-0-0941	6321-79	1	420	6310-0-0082	6346/10-500	1	409
6300-0-0958	6323-20	1	421	6310-0-0083	6346/11-500	1	409
6300-0-0966	6323-21	1	421	6310-0-0084	6346/12-500	1	409
6300-0-0974	6323-24	1	421	6310-0-0087	6348-860-500	1	410
6300-0-0982	6323-24G	1	421	6310-0-0088	6348-810-500	1	410
6300-0-1014	6322-20-101	1	421	6310-0-0089	6348-825-500	1	410
6300-0-1022	6323-79	1	421	6310-0-0090	6348-24G-500	1	410
6300-0-1030	6325-20	1	421	6310-0-0091	6350-825-500	1	410
6300-0-1048	6325-21	1	421	6310-0-0093	6353/20-860-500	1/10	410
6300-0-1055	6325-24	1	421	6310-0-0094	6353/30-860-500	1/10	410
6300-0-1063	6325-24G	1	421	6310-0-0095	6353/40-860-500	1/10	411
6300-0-1097	6322-21-101	1	421	6310-0-0096	6353/50-860-500	1/10	411
6300-0-1105	6325-79	1	421	6401-0-0049	6401 U-102-500	1/10	55
6300-0-1113	6322-24-101	1	421	6401-0-0050	6401 U-102-127-500	1/10	55
6300-0-1121	6322-24G-101	1/100	421	6401-0-0051	6402 U-500	1/10	56
6300-0-1162	6322-71-101	1	421	6401-0-0055	6404 U	1	356
6300-0-1212	6322-79-101	1	421	6410-0-0203	6482	1	61
6300-0-1215	6326-20-101	1	422	6410-0-0278	6465 U	1/10	52
6300-0-1216	6326-21-101	1	422	6410-0-0302	6415	10	375
6300-0-1217	6326-24-101	1	422	6410-0-0348	6414-500	10	61
6300-0-1218	6326-24G-101	1	422	6410-0-0349	6413-500	100	61
6300-0-1223	6326-71-101	1	422	6410-0-0363	6415/24	1/10	375
6300-0-1227	6326-79-101	1	422	6410-0-0368	6445	1	375
6300-0-1228	6327-20	1	422	6410-0-0369	6499		375
6300-0-1229	6327-21	1	422	6410-0-0370	6481-102	1	61
6300-0-1230	6327-24	1	422	6410-0-0371	6480 U-102	1/10	52
6300-0-1231	6327-24G	1	422	6410-0-0373	6455-500	1/10	61
6300-0-1236	6327-71	1	422	6410-0-0374	6456	1/10	61
6300-0-1240	6327-79	1	422	6410-0-0376	6418 U-500	1/10	52
6300-0-1252	6321-260	1	420	6410-0-0377	6411 U-101	1/10	52
6300-0-1253	6321-255	1	420	6410-0-0380	6411 U/S-500-101	1/10	52
6300-0-1257	6322-260-101	1	421	6410-0-0382	6457	1/10	62
6300-0-1258	6322-255-101	1	421	6410-0-0383	6498	1/10	61
6300-0-1262	6323-260	1	421	6410-0-0389	6414-101	1/10	371
6300-0-1263	6323-255	1	421	6420-0-0020	6420 EB-500	1	373
6300-0-1267	6324-260	1	421	6430-0-0144	6430-74	1	96
6300-0-1268	6324-255	1	421	6430-0-0177	6430-79	1	96
6300-0-1272	6325-260	1	421	6430-0-0227	A 6430-71	1	96
6300-0-1273	6325-255	1	421	6430-0-0256	6430-20-101		38
6300-0-1277	6326-260-101	1	422	6430-0-0257	6430-21-101		38
6300-0-1278	6326-255-101	1	422	6430-0-0258	6430-22G-101		38
6300-0-1282	6327-260	1	422	6430-0-0259	6430-24-101		38
6300-0-1283	6327-255	1	422	6430-0-0279	6430-260-101		38
6300-0-1286	A 20EU CKST-71	10	423	6430-0-0280	6430-266-101		38
6300-0-1331	6321-83	1	420	6430-0-0285	6435-212	10/100	212
6300-0-1332	6322-83-101	1	421	6430-0-0286	6435-214	10/100	200
6300-0-1333	6323-83	1	421	6430-0-0287	A 6435-233	10	157
6300-0-1334	6324-83	1	421	6430-0-0288	A 6435-255	10	157
6300-0-1335	6325-83	1	421	6430-0-0289	6435-260	10	157
6300-0-1336	6326-83-101	1	422	6430-0-0290	6435-266	10	157
6300-0-1337	6327-83	1	422	6430-0-0291	6435-20	10	139
6300-0-1338	6321-22G	1	420	6430-0-0292	6435-21	10	139
6300-0-1339	6322-22G-101	1	421	6430-0-0293	6435-22G	10	139
6300-0-1340	6323-22G	1	421	6430-0-0294	6435-24	10/100	139
6300-0-1341	6324-22G	1	421	6430-0-0295	6435-24G	10	139
6300-0-1342	6325-22G	1	421	6430-0-0296	A 6435-26	10	139
6300-0-1343	6326-22G-101	1	422	6430-0-0297	A 6435-28	10	139
6300-0-1344	6327-22G-101	1	422	6430-0-0299	A 6435-71	10	96
6310-0-0035	6349-860-500	1	410	6430-0-0300	6435-74	10	96
6310-0-0036	6349-810-500	1	410	6430-0-0302	6435-79	10	96
6310-0-0037	6349-825-500	1	410	6430-0-0303	A 6435-81	10	70
6310-0-0038	6349-24G-500	1	410	6430-0-0304	6435-82	10	70
6310-0-0045	6352-860-500	1	410	6430-0-0305	6435-83	10	173
6310-0-0046	6352-810-500	1	410	6430-0-0306	6435-84	10	70
6310-0-0047	6352-825-500	1	410	6430-0-0307	A 6435-85	10	112
6310-0-0048	6352-24G-500	1	410	6430-0-0308	A 6435-86	10	112
6310-0-0062	6340-866-500	1	409	6430-0-0309	6435-87	10	112
6310-0-0063	6340-810-500	1	409	6430-0-0310	A 6435-88	10	112
6310-0-0064	6340-825-500	1	409	6430-0-0311	A 6435-89	10	186
6310-0-0065	6340-24G-500	1	409	6430-0-0313	6430-212-102	1/10	212

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6430-0-0316	A 6430-255-102	1/10	157
6430-0-0317	6430-260-102	1/10	157
6430-0-0318	6430-266-102	1/10	157
6430-0-0319	6430-20-102	1/10	139
6430-0-0320	6430-21-102	1/10	139
6430-0-0321	6430-22G-102	1/10	139
6430-0-0322	6430-24-102	1/10	139
6430-0-0323	6430-24G-102	1/10	139
6430-0-0324	A 6430-26-102	1/10	139
6430-0-0325	A 6430-28-102	1/10	139
6430-0-0326	A 6430-81-102	1/10	70
6430-0-0327	6430-82-102	1/10	70
6430-0-0328	6430-83-102	1/10	173
6430-0-0329	6430-84-102	1/10	70
6430-0-0330	A 6430-85-102	1/10	111
6430-0-0331	A 6430-86-102	1/10	111
6430-0-0332	6430-87-102	1/10	111
6430-0-0333	A 6430-88-102	1/10	111
6430-0-0334	A 6430-89-102	1/10	186
6430-0-0337	6430-72	1	96
6430-0-0338	6430-783	1	96
6430-0-0341	6435-72	10	96
6430-0-0342	6435-783	10	96
6430-0-0343	6430-866-102	1/10	83
6430-0-0344	6435-866	10	83
6430-0-0346	6430-777	1	96
6430-0-0347	6435-777	10	96
6430-0-0348	6430-815-102	1/10	111
6430-0-0349	6435-815	10	112
6430-0-0350	6430-803-102	1/10	111
6430-0-0351	6435-803	10	112
6500-0-0791	2240 W-53	1/10	247
6500-0-0792	2240 W-54	1/10	247
6512-0-0248	2247-500	1	320
6512-0-0297	2247U -127	1/10	53
6512-0-0302	2247U -500	1/10	53
6513-0-0543	6513-102-500	1	320
6513-0-0586	6513U -102-500	1/10	53
6513-0-0588	6591U -101-500	1/10	54
6513-0-0590	6592U -500	1	54
6514-0-0012	2200U J-212	1/10	220
6515-0-0704	2250U	1/10	53
6517-0-0018	6517U -101-500	1/10	53
6519-0-0011	6519U	1	53
6520-0-0227	6520U -500	1/10	54
6531-0-0032	2250KB	1/10	320
6550-0-0016	6550	1	320
6550-0-0042	6550U -101-500	1	55
6560-0-1205	6560U -101	1/10	54
6560-0-1206	6560-101	1	321
6565-0-0057	6565U -500	1/10	53
6590-0-0155	6597-500	1/10	321
6590-0-0156	6590U -127-500	1/10	313
6590-0-0168	6598	10	321
6590-0-0171	6593U -500	1/10	54
6590-0-0172	6594U -500	1	54
6590-0-0178	6583-500	1/10	320
6590-0-0179	6584-500	1/10	320
6590-0-0181	6543/10-500	1/10	320
6590-0-0183	6543/11-500	1/10	321
6590-0-0185	6543/12-500	1/10	321
6590-0-0188	6595U	1	356
6599-0-0195	2114-214	10	199
6599-0-0229	2115J-21 4	10	207
6599-0-0237	2115-214	10/100	199
6599-0-1193	2114-212	10	211
6599-0-1326	2115J-21 2	10	211
6599-0-1334	2115-212	10/100	211
6599-0-1458	6540-20	10	37
6599-0-1466	6541-20	10	137
6599-0-1490	6540-21	10	37
6599-0-1524	6541-21	10	137
6599-0-1540	6540-24	10	37
6599-0-1557	6541-24	10	137
6599-0-2076	6541-74	10	95
6599-0-2084	6540-74	1	95
6599-0-2142	6541-79	10	95
6599-0-2159	6540-79	1	95
6599-0-2266	2112-101	1	320
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6599-0-2332	6541-24G	10	137
6599-0-2357	A 6541-28	10	137
6599-0-2373	A 6540-28	10	137
6599-0-2597	6543-74-101	1	96
6599-0-2621	6543-79-101	1	96
6599-0-2647	A 6541-71	10	95
6599-0-2688	A 6540-71	1	95
6599-0-2720	A 6543-71-101	1	96
6599-0-2795	6541-22G	10	137
6599-0-2803	6540-22G	10	37
6599-0-2813	APBS	10/100	40
6599-0-2815	6543-212-102	1/10	211
6599-0-2816	6543-214-102	1/10	199
6599-0-2820	6543-20-102	1/10	37
6599-0-2821	6543-21-102	1/10	37
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6599-0-2833	6540-84-101	10/100	69
6599-0-2834	6543-84-101	1/10	69
6599-0-2835	6541-84	10	69
6599-0-2836	A 6540-85-101	10/100	109
6599-0-2837	A 6543-85-101	1/10	110
6599-0-2838	A 6541-85	10	109
6599-0-2839	A 6540-86-101	10	109
6599-0-2840	A 6543-86-101	1/10	110
6599-0-2841	A 6541-86	10	109
6599-0-2842	6540-87-101	10	109
6599-0-2843	6543-87-101	1/10	110
6599-0-2844	6541-87	10	109
6599-0-2845	A 6540-88-101	10	109
6599-0-2846	A 6543-88-101	1/10	110
6599-0-2847	A 6541-88	10	109
6599-0-2852	6540-260	10/100	37
6599-0-2853	6541-260	10	155
6599-0-2855	6540-266	10	37
6599-0-2856	6541-266	10	155
6599-0-2858	A 6540-233	10/100	155
6599-0-2859	A 6541-233	10	155
6599-0-2861	A 6540-255	10/100	155
6599-0-2862	A 6541-255	10	155
6599-0-2864	A 6540-89-101	10/100	184
6599-0-2865	A 6543-89-101	1/10	184
6599-0-2866	A 6541-89	10	184
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6599-0-2868	A 6543-255-102	1/10	156
6599-0-2869	6543-260-102	1/10	37
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6599-0-2873	2112 U-101-500	1/10	54
6599-0-2880	A 6540-81-101	10	69
6599-0-2881	A 6543-81-101	1/10	69
6599-0-2882	A 6541-81	10	69
6599-0-2885	6541-83	10	171
6599-0-2886	6540-83-101	10	171
6599-0-2887	6543-83-101	1/10	172
6599-0-2888	6545-212	1/10	211
6599-0-2889	6545-214	1/10	199
6599-0-2890	6545-20	1/10	37
6599-0-2891	6545-21	1/10	37
6599-0-2892	6545-22G	1/10	37
6599-0-2893	6545-24	1/10	37
6599-0-2894	6545-24G	1/10	138
6599-0-2895	A 6545-26	1/10	138
6599-0-2896	A 6545-28	1/10	138
6599-0-2897	A 6545-233	1/10	156
6599-0-2898	A 6545-255	1/10	156
6599-0-2899	6545-260	1/10	37
6599-0-2900	6545-266	1/10	37
6599-0-2902	A 6545-71	1	96
6599-0-2903	6545-74	1	96
6599-0-2905	6545-79	1	96
6599-0-2906	A 6545-81	1/10	69
6599-0-2907	6545-82	1/10	69
6599-0-2908	6545-84	1/10	69
6599-0-2909	A 6545-85	1/10	110

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6599-0-2911		6545-87	1/10	110
6599-0-2912	A	6545-88	1/10	110
6599-0-2913	A	6545-89	1/10	185
6599-0-2914		6545-83	1/10	172
6599-0-2916		6540-72	1	95
6599-0-2917		6540-783	1	95
6599-0-2918		6541-72	10	95
6599-0-2919		6541-783	10	95
6599-0-2920		6543-72-101	1	96
6599-0-2921		6543-783-101	1	96
6599-0-2922		6545-72	1	96
6599-0-2923		6545-783	1	96
6599-0-2924		6541-866	10	82
6599-0-2925		6540-866-101	10/100	82
6599-0-2926		6543-866-101	1/10	83
6599-0-2927		6545-866	1/10	83
6599-0-2932		6540-777	1	95
6599-0-2933		6541-777	10	95
6599-0-2934		6543-777-101	1	96
6599-0-2935		6545-777	1	96
6599-0-2936		6541-815	10	109
6599-0-2937		6540-815-101	10	109
6599-0-2938		6543-815-101	1/10	110
6599-0-2939		6545-815	1/10	110
6599-0-2940		6541-803	10	109
6599-0-2941		6540-803-101	10	109
6599-0-2942		6543-803-101	1/10	110
6599-0-2943		6545-803	1/10	110
6700-0-0018		6745 AGM-204	1/10	330
6700-0-0019		6745 AGM-201	1	330
6700-0-0020		6745 AGM-35	1	330
6700-0-0021		6745 AGM-208	1	330
6700-0-0022		6701	1/10	330
6720-0-0001		6720-64	1	358
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6720-0-0003		6720-66	1	358
6720-0-0004		6721-64	1	358
6720-0-0005		6721-65	1	358
6730-0-0001		6730-212	1	218
6730-0-0002		6730-214	1	206
6730-0-0003	A	6730-233	1	162
6730-0-0004	A	6730-255	1	162
6730-0-0005		6730-260	1	162
6730-0-0006		6730-266	1	162
6730-0-0007		6730-20	1	145
6730-0-0008		6730-21	1	145
6730-0-0009		6730-22G	1	145
6730-0-0010		6730-24	1	145
6730-0-0011		6730-24G	1	145
6730-0-0012	A	6730-26	1	145
6730-0-0013	A	6730-28	1	145
6730-0-0014	A	6730-81	1	75
6730-0-0015		6730-82	1	75
6730-0-0016		6730-83	1	180
6730-0-0017		6730-84	1	75
6730-0-0018	A	6730-85	1	118
6730-0-0019	A	6730-86	1	118
6730-0-0020		6730-87	1	118
6730-0-0021	A	6730-88	1	118
6730-0-0022	A	6730-89	1	191
6730-0-0023		6730-866	1	88
6730-0-0024		6730-815	1	118
6730-0-0025		6730-803	1	118
6800-0-1674		6800-34-102C	1	236
6800-0-1740		6800-35-102C	1	236
6800-0-1898		6800-32-102C	1	236
6800-0-2067		6800-214-104	1/10	206
6800-0-2068		6800-20-104	1	37
6800-0-2069		6800-21-104	1	37
6800-0-2070		6800-22G-104	1	37
6800-0-2075	A	6800-28-104	1	145
6800-0-2077	A	6800-71-104	1	101
6800-0-2081		6800-79-104	1	101
6800-0-2083		6800-214-104M	1/10	206
6800-0-2084		6800-20-104M	1	37
6800-0-2085		6800-21-104M	1	37
6800-0-2086		6800-22G-104M	1	37
6800-0-2088		6800-24G-104M	1	145
6800-0-2091	A	6800-28-104M	1	145
6800-0-2093	A	6800-71-104M	1	101
6800-0-2097		6800-79-104M	1	101

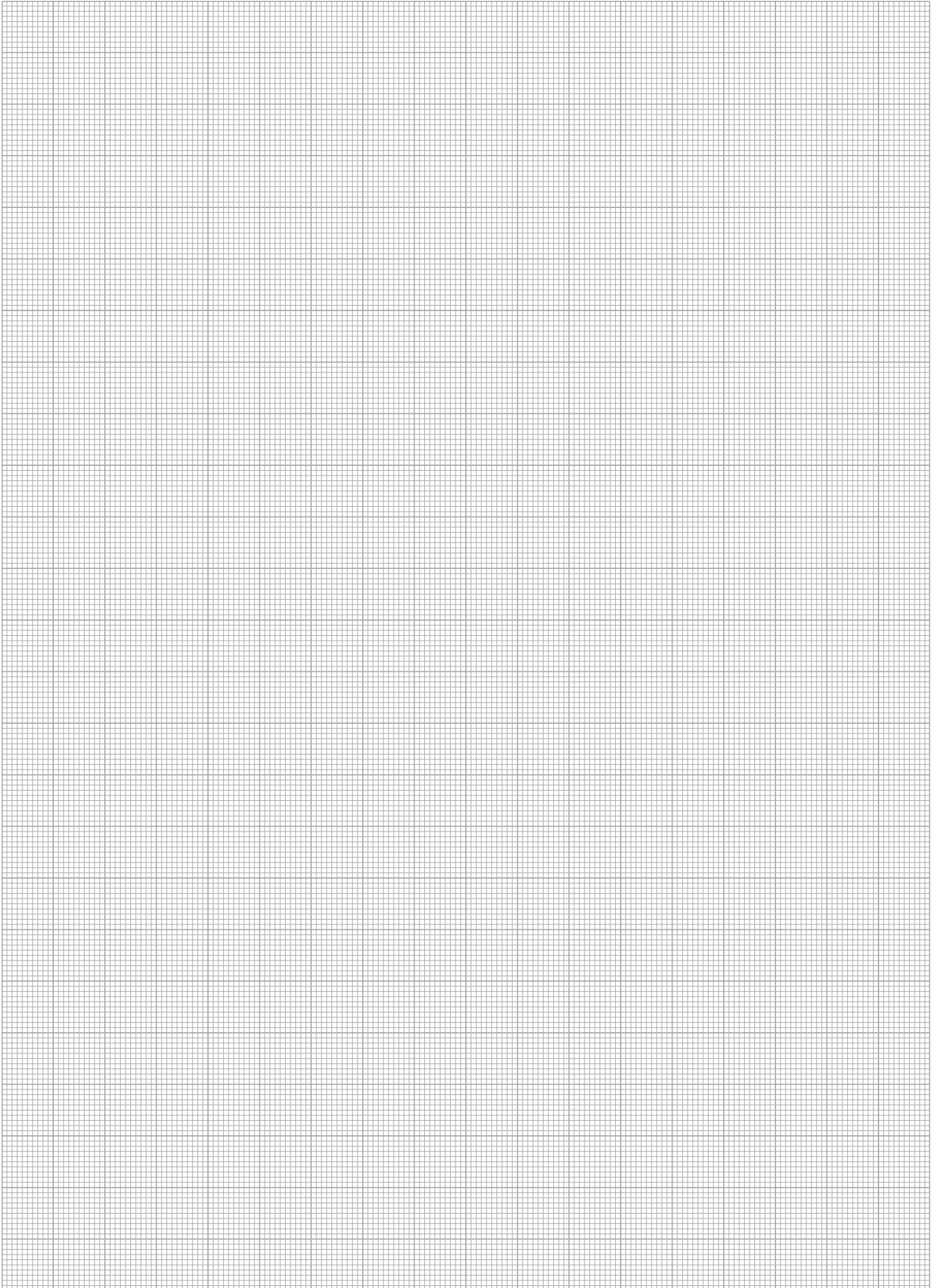
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6800-0-2101		6800-84-104	1/10	75
6800-0-2102		6800-84-104M	1/10	75
6800-0-2103	A	6800-85-104	1/10	118
6800-0-2104	A	6800-85-104M	1	118
6800-0-2105	A	6800-86-104	1	118
6800-0-2106	A	6800-86-104M	1	118
6800-0-2107		6800-87-104	1	118
6800-0-2108		6800-87-104M	1	118
6800-0-2109	A	6800-88-104	1	118
6800-0-2110	A	6800-88-104M	1	118
6800-0-2118		6800-260-104	1/10	37
6800-0-2119		6800-260-104M	1/10	37
6800-0-2120		6800-266-104	1/10	37
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6800-0-2122	A	6800-233-104	1/10	163
6800-0-2123	A	6800-233-104M	1	163
6800-0-2124	A	6800-255-104	1/10	163
6800-0-2125	A	6800-255-104M	1	163
6800-0-2157	A	6800-89-104	1	192
6800-0-2158	A	6800-89-104M	1	192
6800-0-2160		6812 U-101-500	1/10	56
6800-0-2161		6805 U-500	1/10	56
6800-0-2162		6810-212-101-500	1	218
6800-0-2163		6810-214-101-500	1	206
6800-0-2164		6800-212-104-500	1	218
6800-0-2166		6800-212-104M-500	1	219
6800-0-2168		6800-24-104-500	1	37
6800-0-2169		6800-24-104M-500	1	37
6800-0-2170		6800-24G-104-500	1	145
6800-0-2172		6800-74-104-500	1	101
6800-0-2173		6800-74-104M-500	1	101
6800-0-2178		6813-101-500	1/10	333
6800-0-2215	A	6822	1	346
6800-0-2219		6804 U-101-500	1/10	56
6800-0-2232	A	6800-26-104	1	145
6800-0-2233	A	6800-26-104M	1	145
6800-0-2268	A	6800-81-104	1	75
6800-0-2269	A	6800-81-104M	1	75
6800-0-2270		6815 U	1/10	30
6800-0-2271		6815-212	1/10	211
6800-0-2272		6815-214	1/10	199
6800-0-2273		6815-20	1/10	30
6800-0-2274		6815-21	1/10	30
6800-0-2275		6815-22G	1/10	30
6800-0-2276		6815-24	1/10	30
6800-0-2277		6815-24G	1/10	137
6800-0-2278	A	6815-26	1/10	137
6800-0-2279	A	6815-28	1/10	137
6800-0-2280	A	6815-233	1/10	155
6800-0-2281	A	6815-255	1/10	155
6800-0-2282		6815-260	1/10	30
6800-0-2283		6815-266	1/10	30
6800-0-2284	A	6815-81	1/10	69
6800-0-2285		6815-82	1/10	69
6800-0-2286		6815-84	1/10	69
6800-0-2287	A	6815-85	1/10	110
6800-0-2288	A	6815-86	1/10	110
6800-0-2289		6815-87	1/10	110
6800-0-2290	A	6815-88	1/10	110
6800-0-2291	A	6815-89	1/10	184
6800-0-2300		6845 AGM-204-500	1/10	331
6800-0-2301		6845 AGM-201-500	1	331
6800-0-2302		6845 AGM-35-500	1	331
6800-0-2303		6845 AGM-208-500	1	331
6800-0-2307	N	6846 AGM-204-500	1	332
6800-0-2308		6846 AGM-201-500	1	332
6800-0-2309	N	6846 AGM-35-500	1	332
6800-0-2311		6849 AGM-201	1	330
6800-0-2312		6849 AGM-35	1	330
6800-0-2313		6849 AGM-208	1	330
6800-0-2314		6849 AGM-204-500	1	330
6800-0-2315		6845 AGS-204	1/10	332
6800-0-2316		6845 AGS-35	1	332
6800-0-2318		6853 AGM-201	1	331
6800-0-2320		6853 AGM-208	1	331
6800-0-2321		6853 AGM-204-500	1/10	331
6800-0-2322		6853 AGM-35-500	1	331
6800-0-2324		6813-183-101-500	1	333
6800-0-2325		6800-83-104	1	181
6800-0-2327		6800-83-104M	1	181

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6800-0-2335		6845/11AGM-201-500	1	331
6800-0-2336		6845/11 AGM-35-500	1	331
6800-0-2337		6845/11AGM-208-500	1	331
6800-0-2338		6800-72-104	1/10	101
6800-0-2339		6800-72-104M	1	101
6800-0-2340		6800-783-104	1	101
6800-0-2341		6800-783-104M	1	101
6800-0-2342		6815-83	1/10	171
6800-0-2343		6800-866-104	1	88
6800-0-2344		6800-866-104M	1	89
6800-0-2345		6815-866	10/10	82
6800-0-2347	A	6820-80-101	1	346
6800-0-2348	NA	6820-24-101-500	1	346
6800-0-2350		6813/11-24-500	1	333
6800-0-2352	N	6813/11-183-500	1	333
6800-0-2353		6800-31-102C	1	236
6800-0-2354		6800-33-102C	1	236
6800-0-2355	N	6816U	1/10	55
6800-0-2357		6800-777-104	1	101
6800-0-2358		6800-777-104M	1	101
6800-0-2480		6815-815	1/10	110
6800-0-2481		6815-803	1/10	110
6800-0-2482		6800-815-104	1	118
6800-0-2483		6800-815-104M	1	118
6800-0-2484		6800-803-104	1	118
6800-0-2485		6800-803-104M	1	118
6800-0-2495	N	6830-24-500/01	1/100	346
6800-0-2496	N	6830-24-500/02	1/100	346
6899-0-0231		6899	10	338
6899-0-0282		6885-500	1/10	333
6899-0-0292		6887-204-500	1	332
6899-0-0293		6887-201-500	1	332
6899-0-0294		6887-35-500	1	332
6899-0-0296		6841-500	1	332
6899-0-0298		6885-183-500	1	333
6899-0-0299		6842	1	333
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8136-0-0002		8136-500	1	424
8136-0-0004		8136/20-500	1	424
8136-0-0006		8136/23-500	1	424
8136-0-0012	N	8136/30-500	1	424
8136-0-0014	N	8136/31-500	1	424
8136-0-0016		8136/40-500	1	424
8136-0-0018		8136/41-500	1	424
8136-0-0020		8136/UP-500	1	424
8200-0-0008	A	8201	1	298
8200-0-0010		8211U	1/10	299
8200-0-0011	A	8212U	1/10	299
8200-0-0012		8221U	1/10	86
8200-0-0013		8222EB	1/5	300
8200-0-0014		8228	1/10	300
8200-0-0015		8229/1	1/10	300
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8200-0-0018		8251-212	10	299
8200-0-0019		8251-214	10	299
8200-0-0020		8251-20	10	299
8200-0-0021		8251-21	10	299
8200-0-0022		8251-22G	10	299
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8200-0-0024		8251-24G	10	299
8200-0-0025	A	8251-26	10	299
8200-0-0026	A	8251-28	10	299
8200-0-0027	A	8251-233	10	299
8200-0-0028	A	8251-255	10	299
8200-0-0029		8251-260	10	299
8200-0-0030		8251-266	10	299
8200-0-0031	A	8251-81	10	176
8200-0-0032		8251-82	10	176
8200-0-0033		8251-84	10	176
8200-0-0034	A	8251-85	10	299
8200-0-0035	A	8251-86	10	299
8200-0-0036		8251-87	10	299
8200-0-0037	A	8251-88	10	299
8200-0-0038	A	8251-89	10	176
8200-0-0039		8251-83	10	176
8200-0-0040		8251-866	10	89
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8200-0-0067		8252-22G	10	296
8200-0-0068		8252-24	10	296
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8200-0-0071	A	8252-28	10	296
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8200-0-0075		8252-266	10	296
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8200-0-0077		8253-214	1/10	297
8200-0-0078	A	8253-81	1/10	297
8200-0-0079		8253-82	1/10	297
8200-0-0080		8253-83	1/10	297
8200-0-0081		8253-84	1/10	297
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8200-0-0095		8253-22G	1/10	297
8200-0-0096		8253-24	1/10	297
8200-0-0097		8253-24G	1/10	297
8200-0-0098	A	8253-26	1/10	297
8200-0-0099	A	8253-28	1/10	297
8200-0-0100	A	8253-233	1/10	297
8200-0-0101	A	8253-255	1/10	297
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8200-0-0103		8253-266	1/10	297
8200-0-0104		8251-815	10	299
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8200-0-0109		8224 EB	1/5	300
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8200-0-0112		8252-803	10	296
8200-0-0113		8252-815	10	296
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