Unterputz-Einsätze

Product	Article-No.	Order-No.	Pack Qty
Plateswitch Mechanism [1]) **1gang 2way** Mounting Type: Flush-mounted Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1 [2])			
2000/6 US-506	1012-0-1143	10/100
1gang 2way DP [3]) **2000/6/2 US**	1012-0-0954	10
2gang 1way [4]) **2000/5 US-500**	1012-0-1150	10/100
2gang 2way [3]) **2000/6/6 US-500**	1011-0-0493	10/100
1gang intermediate [2]) **2000/7 US-506**	1012-0-1168	10/100
1gang 1way DP [2]) **2000/2 US**	1012-0-2034	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
3) With screw terminals. Non-illuminable.
4) Illuminable using lamp 8338-1.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch Mechanism [1]) [2]) [3]) **DP, 1gang 1way** Mounting Type: Flush-mounted Rated voltage: 250 V~ Rated current: 16 AX IEC 60669-1			
2000/2 US-101	1012-0-2042	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.
3) Also for switching SCHUKO® socket outlets.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch Mechanism [1]) [2]) **3-pole, 1gang 1way switch** Mounting Type: Flush-mounted Rated voltage: 400 V~ Rated current: 16 AX IEC 60669-1			
2000/3 US	1011-0-0816	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) With screw terminals. Non-illuminable.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch mechanism insert [1]) **1gang 2way** Mounting Type: Flush-mounted With illumination according to German Standard workplace regulations. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1 [2])			
2000/6 USGL	1012-0-1127	10/100
2gang 1way [3]) **2000/5 USGL**	1012-0-1135	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) Illuminable using lamp 8338-1.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch Mechanism, control [1]) [2]) [3]) **1gang 2way with N-terminal** Mounting Type: Flush-mounted With neon lamp. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1			
2000/6 USK	1022-0-0474	10/100
1gang 1way, DP **2000/2 UK**	1022-0-0656	10

1) With 1 mA neon lamp.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Illuminable by inserting lamp 8360, 8362, 8363, 8365, 8366 and 8367 see Busch-Jaeger catalogue Wiring Accessories.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch with parallel stroke switch **mechanism [1]) [2]) [3])** **1gang 2way** Mounting Type: Flush-mounted Suitable for impuls cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1			
2001/6 U	1012-0-1614	10/100
2gang 1way **2001/5 U**	1012-0-1622	10/100
2gang 2way **2001/6/6 U**	1012-0-1671	10
1gang intermediate **2001/7 U**	1012-0-1630	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to economy lamp.

Product	Article-No.	Order-No.	Pack Qty
Plateswitch with parallel stroke mechanism [1]) [2]) **1gang 2way** Mounting Type: Flush-mounted With neon lamp. Suitable for impuls cover plate with operating knob. Rated voltage: 250 V~ Rated current: 10 AX IEC 60669-1 [3]) [4])			
2001/6 UKGL-101	1022-0-0615	10
1gang, DP [5]) **2001/2 UKGL-101**	1022-0-0623	10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For control lamp replacement 8305.
3) For replacement lamp 8360, 8362, 8363.
4) When used in conjunction with energy saving lamps, the energy saving lamps can spontaneously be switched on. Solution: Compensator 6596 parallel to economy lamp.
5) Luminous ring non-illuminable.

Product	Article-No.	Order-No.	Pack Qty
Push Switch Mechanism [1]) [2]) **SP, with normally open contact (operating current)** Mounting Type: Flush-mounted With N terminal. Rated voltage: 250 V~ Rated current: 10 A IEC 60669-1			
2020 US-500	1413-0-0574	10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

ℹ Further technical details
www.busch-jaeger-katalog.de

Product	Article-No.	Order-No.	Pack Qty

Push Switch Mechanism [1] [2]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
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) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Push Switch Mechanism [1] [2] [3]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
With illumination according to German Standard
workplace regulations.
With N terminal.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1
2020 USGL   1413-0-0533   10/100

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) For relay and touch dimmer applications.

Push Switch Mechanism [1] [2]
SP, 2gang 1way
Mounting Type: Flush-mounted
With one input terminal and 2 actuating covers.
Rated voltage: 250 V~
Inputs: 1
Outputs: 2 Normally open contact
Rated current: 10 A
IEC 60669-1
2020 US-205   1413-0-0491   10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable using lamp 8338-1.

Push Switch Mechanism [1] [2]
2 x SP, 2x normally open contact
Mounting Type: Flush-mounted
2 normally open contacts.
Rated voltage: 250 V~
Inputs: 2
Outputs: 2 Normally open contact
Rated current: 10 A
IEC 60669-1
2020 US-205-101   1413-0-0509   10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable using lamp 8338-1.

Push Switch Mechanism [1] [2]
SP, 1gang 2way
Mounting Type: Flush-mounted
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) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Product	Article-No.	Order-No.	Pack Qty

Push Switch [1] [2]
SP, 1gang 2way without N-terminal
Mounting Type: Flush-mounted
Suitable for impuls cover plate with operating knob.
Rated voltage: 250 V~
Rated current: 10 A
IEC 60669-1

2021/6 U   1413-0-0871   10

1gang 2 way with N-terminal, [3]
2021/6 UK   1413-0-0897   10

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

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

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) For replacement lamp 8360, 8362, 8363.
3) For relay and touch dimmer applications.

Push Switch [1]
SP, 1gang 2way without N-terminal
Mounting Type: Flush-mounted
Illuminable.
Suitable for impuls cover plate with operating knob.
With N terminal.
Rated voltage: 24 V~
Rated current: 10 A
IEC 60669-1 [2]
2021/6 UNV   1012-0-1705   10

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

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable using lamp insert 8365, 8366, 8367.

Push Switch Mechanism
SP with normally open contact
Mounting Type: Flush-mounted
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] [2]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
Illuminable.
With N terminal.
Cover only in alpha nea®, alpha exclusive® and impuls
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1
2025 U   1012-0-1713   10

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

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

neon indicator: illuminable with neon lamps 8350, 8352,
8353, 8337-1, 8345-1 and 8344-1

delivery form: Supplied with an adapter plate which must be filled with
this insert.

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Illuminable by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

ℹ️ Further technical details
www.busch-jaeger-katalog.de

Product	Article-No.	Order-No.	Pack Qty

Pull switch [1]
SP, with normally open contact (operating current)
Mounting Type: Flush-mounted
Rated voltage: 250 V~
Rated current: 10 A

2020/01 US	1413-0-1077	10	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Pull switch [1]
Mounting Type: Flush-mounted
Rated voltage: 250 V~
Rated current: 10 A

2020/10 US	1413-0-1076	10	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Blind switch insert [1] [2]
SP, switch
Mounting Type: Flush-mounted
With block against simultaneous switching.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1

2000/4 US	1012-0-1309	10/100	

Blind switch
2020/4 US	1413-0-0590	10/100	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) These blind switches/push buttons safely prevent a switch-over of the running direction being carried out too quickly.

Blind switch insert [1] [2] [3]
DP
Mounting Type: Flush-mounted
With rotary knob/switch and push switch.
2P + N + E
Rated voltage: 250 V~
Rated current: 10 AX
IEC 60669-1, British Standard EN 60669-1

2712 U	1101-0-0534	10	

1 P + N + E
2713 U	1101-0-0542	10	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Blind switch insert [1] [2] [3]
DP
Mounting Type: Flush-mounted
With rotary knob/push button.
2P + N + E
Rated voltage: 250 V~
Rated current: 10 A
IEC60669-1, British Standard EN 60669-1

2722 U	1101-0-0559	10	

1 P + N + E
2723 U	1101-0-0567	10	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Also suitable for activating direct voltage drives.

Product	Article-No.	Order-No.	Pack Qty

Blind Switch/Push Switch [1] [2] [3] [4] [5]
DP
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/switch and push switch.
2P + N + E
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 AX
IEC60669-1, British Standard EN 60669-1
2712 USL-101	1101-0-0872	10	

1 P + N + E
2713 USL-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 Main Catalogue 2002.
4) For semi-cylindrical lock, see Busch-Jaeger catalogue Wiring Accessories.
5) Also suitable for activating direct voltage drives.

Blind switch insert [1] [2] [3] [4] [5]
DP
Mounting Type: Flush-mounted
For profile semi-cylindrical lock/push button.
2P + N + E
Delivered without cylindrical lock.
Rated voltage: 250 V~
Rated current: 10 A
British Standard EN 60669-1, IEC60669-1
2722 USL-101	1101-0-0898	10	

1 P + N + E
2723 USL-101	1101-0-0906	10	

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Blind switches/push switches prevents fast change over between operating directions.
3) Use profile semi-cylindrical lock as per drawing. See Main Catalogue 2002.
4) For semi-cylindrical lock, see Busch-Jaeger catalogue Wiring Accessories.
5) Also suitable for activating direct voltage drives.

Key Switch Insert [1] [2] [3]
SP, 1gang 1way switch
Mounting Type: Flush-mounted
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	

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:	Supplied with an adapter plate which must be filled with this insert.

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 Main Catalogue 2002.
3) For profile semi-cylindrical lock.

i Further technical details
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ABB

Inserts
for flush-mounted devices

Three-step rotary switch ¹) ²)
SP
Mounting Type: Flush-mounted
With zero position.
Rated voltage: 250 V~
Rated current: 16 A

2710 U	1101-0-0918	1/10

Without zero position

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.

Mounting Type: Flush-mounted
Size of information field 43 x 43 mm.
Rated voltage: 230 V~

2062 U	1511-0-0115	1/10

Indication Lamp Mechanism ¹)
for clamp terminal
Mounting Type: Flush-mounted
Without cover.
Rated voltage: 250 V~

2061 U	1511-0-0062	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 by inserting lamp 8350, 8352, 8353, 8337-1, 8345-1 and 8344-1.

Indication Lamp Mechanism ¹)
with E 10-thread
Mounting Type: Flush-mounted
Without cover.
Rated voltage: 250 V~

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 lamp insert 8302, 8340, 8341, 8342, 8343. For a more intensive illumination we recommend the lamp 8340.

Busch Wind and Sun blind switch ¹) ²) ³) ⁴) ⁵)
with automatic switching control
Mounting Type: Flush-mounted
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: 2 Normally open contact, potential free
Rated current: 3 A, cos φ 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) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) sun sensor and wind sensor.
3) For operation without sun sensor, use the enclosed short-circuit bridge for sensor.
4) 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.
5) For use only in conjunction with Wind Sensor 6481-102.

Busch Blind Control Switch Insert ¹) ²)
Mounting Type: Flush-mounted
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 cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

NEW

6411 U-500-101	6410-0-0378	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)
Mounting Type: Flush-mounted
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.
Ability to connect for brightness sensor 6414 and burglar alarm sensor 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 cover 6455.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Control/Signal outputs: 2
Temperature range (Device): 0 °C to 35 °C

NEW

6411 U/S-500-101	6410-0-0380	1/10

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

Busch Blind Control Switch Insert ¹) ²) ³)

6411 U-127-500	6410-0-0350	1/10

1) Suitable for multi-phase operation.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Compatible with types 6410 U, 6410 U-10x.

Basic blinds insert ¹) ²)
Mounting Type: Flush-mounted
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 cover 6457.
For Standard timer control cover 6456.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C

NEW

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

Busch Memory blind control switch insert ¹)
Mounting Type: Flush-mounted
For manual and automatic switching of blinds and roller blinds.
With control cover, without cover plate.
Executes a running command in a 24-hourly rhythm.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A, cos φ 0.5
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

6466 U	6410-0-0294	1/10

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

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Timer® III insert ¹) ²)
Mounting Type: Flush-mounted
For manual and time-controlled switching of awnings and roller blinds.
With control cover, without cover plate.
Astro controller. Optional daily/weekly program.
Connection for brightness sensor Art. No. 6484 and 6484/01.
Control according to dusk and sun values.
Holiday program: 0 to +30 min
With summer and wintertime switch-over.
Suitable for group-control with Busch Blind Control II.
Power reserve: 30 min (capacitor memory).
Clearly visible display with symbol presentation.
Running time: 3 min
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 2 Normally open contact
Rated current: 3 A
Rated power: 690 VA
Temperature range (Device): 0 °C to 35 °C
IEC 60669-2-1, British Standard EN 60669-2-1

6454 U-101	6410-0-0366	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.

1) For respective cover plates 1772-xxx-101.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

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i **Further technical details**
www.busch-jaeger-katalog.de

Product	Article-No.	Order-No.	Pack Qty

Busch short-time timer insert [1]
Countdown timer
Mounting Type: Flush-mounted
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: 1 Normally open contact
Rated current: 10 A, cos φ 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

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

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Time Switch Mechanism 16 A [1] [2]
DP, break contact for staircases, exterior lighting, fans, etc.
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
For staircases, exterior lighting, fans, etc.
Running time: 15 min
Rated voltage: 230 V~, +10 % / -10 %
Rated current: 16 A, cos φ 0.25

1070 U	1043-0-0025	1/10

1) For screw-fixing only
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Time Switch Mechanism 16 A [1] [2]
DP, break contact for staircases, exterior lighting, fans, etc.
Mounting Type: Flush-mounted
For time-programmed switching of electrical consumers.
For staircases, exterior lighting, fans, etc.
Running time: 120 min
Rated voltage: 230 V~, +10 % / -10 %
Rated current: 16 A, cos φ 0.25

1071 U	1043-0-0124	10

1) For screw-fixing only
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Rotary-Switch Dimmer [1]
Mounting Type: Flush-mounted
With rotary control, separate switch output, 2way On-Off switching and soft-catch, with phase section
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
For insert in 2w switching.
With adjustable minimum brightness.
Without cover plate.
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz
Rated current: 6 A
Rated power: 60 - 400 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6517 U-101-500	6517-0-0018	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Product	Article-No.	Order-No.	Pack Qty

Busch Memory 2gang Dimmer [1]
2gang
Mounting Type: Flush-mounted
2gang 1way
For switching and dimming 2 independent devices.
For insert in 2w switching.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch Electronic Transformers.
Compatible with control covers 6543-xxx-10x.
without cover, without cover plate
Rated voltage: 230 V~, +10 % / -10 %
Rated frequency: 50 Hz/60 Hz
Outputs: 2 Normally open contact
Rated power: 40 - 315 W/VA
Rated power: 40 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

NEW

6565 U	6565-0-0056	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with phase section.
For incandescent lamps and 230 V tungsten halogen lamps.
Without cover plate.
With adjustable minimum brightness.
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

2250 U	6515-0-0704	1/10

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
2) Also applicable for 1gang 2way installations.
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Provided with terminal for net disconnection devices.

ℹ Further technical details
www.busch-jaeger-katalog.de

Inserts
for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with phase section.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Without cover plate.
With adjustable minimum brightness.
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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

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.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾
Mounting Type: Flush-mounted
With rotary control, soft-catch and with phase section.
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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.
delivery form:	insert (Dimmer cover plate and cover frame to be ordered separately)

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.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ ⁶⁾ ⁷⁾
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch 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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) For Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Dimmer® Insert ¹⁾ ²⁾ ³⁾ ⁴⁾ ⁵⁾ ⁶⁾ ⁷⁾
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching, and soft-catch.
For incandescent lamps, 230 V tungsten halogen lamps and low-voltage halogen lamps with Busch 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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) Not suitable with conventional transformers.
2) For Busch Electronic Transformers.
3) Illuminable with neon lamp. Neon lamp included in delivery with cover plate.
4) In case of electronic transformers, 5 % transformer losses.
5) Provided with terminal for net disconnection devices.
6) Also applicable for 1gang 2way installations.
7) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

ℹ Further technical details
www.busch-jaeger-katalog.de

Inserts
for flush-mounted devices

Product	Article-No.	Order-No.	Pack Qty

Busch-Dimmer® Insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
With rotary control, 2way On-Off switching and soft-catch, with phase section.
For incandescent lamps, 230 V tungsten halogen lamps and low-volt halogen lamps with conventional transformer.
Short-circuit protected, overload-protected.
Without cover plate.
With adjustable minimum brightness.
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.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer insert [1] [2] [3] [4] [5]
Mounting Type: Flush-mounted
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 Busch 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

6591 U-101-500   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 losses.
4) Control covers 2115-xxx and 6540-xxx.
5) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Rotary Dimmer extension, insert [1]
Mounting Type: Flush-mounted
for connection to 6591 U-101,
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

6592 U-500   6513-0-0590   1

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

Busch Memory Touch-Dimmer [1] [2]
Mounting Type: Flush-mounted
With light-level memory and phase section.
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 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

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: neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) In the case of conventional transformers, take ~20% transformer loss into account.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch Universal Master Dimmer® Insert [1] [2] [3] [4]
Mounting Type: Flush-mounted
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 Busch Electronic Transformers.
With push switch operation.
Compatible with control covers 6543-xxx-10x/6066-xx-10x/6810-xxx-10x/6800-xxx-10x(M)6455/6813-10x.
Combinable with Busch Watchdog extension insert 6805 U.
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/60 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

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: neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

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.
4) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

ℹ️ Further technical details
www.busch-jaeger-katalog.de

Product	**Article-No.**	Order-No.	Pack Qty

Busch Universal Master Dimmer® Capacity Booster [1]
Mounting Type: Flush-mounted
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 Busch 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/60 Hz
Rated power: 200 - 315 W/VA
IEC 60669-2-1, British Standard EN 60669-2-1

6594 U-500	6590-0-0172	1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).

Busch-Electronic-Potentiometer [1][2][3][4]
Mounting Type: Flush-mounted
With rotary control.
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) Use cover plates 2115 J-.../2115-.../6540-... .
3) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
4) Making-current limiters have to be provided in case of too high making currents.

Busch Memory Touch-type Controller [1][2][3]
Mounting Type: Flush-mounted
3-wire connection.
For controlling electronic control gears for fluorescent lamps with control output 0/1-10 V DC, control current max. 50 mA DC.
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).
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

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:	neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

1) Non-illuminable.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) with integrated making-current limiter

Product	**Article-No.**	Order-No.	Pack Qty

Busch Comfort Switch insert [1][2][3]
2-wire connection.
For Busch Comfort Switch sensors 6815-xxx.
Operation also possible in 1gang 2way installations.
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

NEW

6815 U	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.
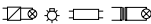3) In case of electronic transformers, 5 % transformer losses.

Unterputz-Einsätze

Busch Universal Relay Switch Insert
Mounting Type: Flush-mounted
3-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 180 FP sensor for Allwetter 44® (All Weather) 6800-3x-102C.
For Busch Watchdog Presence tech 6813-101.
For Comfort timer control cover 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: 1 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	1/50

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

Busch Universal Relay Switch Insert [1]
max. 1270 W/VA 10 AX
Rated voltage: 127 V-
Rated frequency: 60 Hz

6401 U-102-127-500	6401-0-0050	1/10

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

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i Further technical details
www.busch-jaeger-katalog.de

Product	Article-No.	Order-No.	Pack Qty

Busch Universal 2gang 1way Insert
Mounting Type: Flush-mounted
3-wire connection.
For operation mode 2gang 1way: 2 separate outputs.
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 6813-101.
For Busch Remote Control IR control cover 6066-xxx-10x and 6067-xxx-10x.
For control cover with control lamp 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: 2 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

| **6402 U-500** | 6401-0-0051 | 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: neon lamp 3855 , one neon lamp is supplied together with control cover plates 6540-2x.

Relay Mechanism
Mounting Type: Flush-mounted
3-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 6813-101.
Rated voltage: 230 V, +10 % / -10 %
Rated frequency: 50 Hz
Outputs: 1 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

| **6812 U-101-500** | 6800-0-2160 | 1/10 |

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

MOS-Fet Insert [1] [2] [3]
Mounting Type: Flush-mounted
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 6813-101.
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

| **6804 U-101-500** | 6800-0-2219 | 1/10 |

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

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.

Insert for combination with flush-mounted inserts [1]
Mounting Type: Flush-mounted
3-wire connection.
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 6813-101.
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.

ℹ Further technical details
www.busch-jaeger-katalog.de

Inserts
for flush-mounted devices

ABB

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1][2][3][4][5]
With make contact and time control
Mounting Type: Flush-mounted
With switch ON/OFF and switch-over
Time program/permanent operation.
Time-controlled reduction of nightly room temperature.
With make contact and time control
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

1080 U 1032-0-0473 1

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

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
5) Switching temperature difference ± 0.7 K.

Room Thermostat [1][2][3][4][5]
With make-contact time control and remote sensor.
Mounting Type: Flush-mounted
For underfloor heating.
With switch ON/OFF and switch-over
Time program/permanent operation.
Opening of the relay contact, when the set temperature is reached.
Sensor =NTC, 2 kiloohm at 25 degrees C.
Time-controlled reduction of nightly room temperature.
Remote sensor cable length: 4 m.
Adjusting range: 10 to 60 degrees C.
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

1080 UF 1032-0-0481 1

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

1) Room thermostats with thermal feedback need a 3 wire connection (N, P, P+).
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Switching temperature difference ± 0.7 K.
5) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .

Unterputz-Einsätze

Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1][2][3][4]
with remote sensor
Mounting Type: Flush-mounted
For underfloor heating.
Switching temperature difference: +/- 0.35 K.
Opening of the relay contact, when the set temperature is reached.
Sensor =NTC, 2 kiloohm at 25 degrees C.
Remote sensor cable length: 4 m.
Adjusting range: 10 to 60 degrees C.
Connecting cable: 1mm² to 2.5 mm²
Rated voltage: 230 V~
Rated current: 8 A, cos φ 1
IEC 60669-2-1, British Standard EN 60669-2-1

1082 UF 1032-0-0482 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:	Supplied with an adapter plate which must be filled with this insert.

1) Room thermostats with thermal feedback need a 3 wire connection/for automatic reduction of nightly room temperature, a 4 wire connection.
2) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
3) Screw-fixing via keyholes only, no claw fixing.
4) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .

Room Thermostat [1][2][3]
with break contact
Mounting Type: Flush-mounted
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

1094 U 1032-0-0483 1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1][2][3]
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction of nightly room temperature (4K).
Rated voltage: 230 V~
Rated current: 10 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

1095 U 1032-0-0484 1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

i Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Room Thermostat [1] [2] [3])
with break contact
Mounting Type: Flush-mounted
with built-in slide switch and control lamp for nightly
reduction of 4 K
with claw fixation
and separate terminal for externally controlled reduction
of nightly room temperature (4K).
Rated voltage: 24 V~
Rated current: 1 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

1096 U	1032-0-0485	1

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Room Thermostat [1] [2] [3])
with 1gang 2way contact
Mounting Type: Flush-mounted
with claw fixation
Rated voltage: 230 V~
Rated current: 5 A
Temperature range (Device): 5 °C to 30 °C
IEC 60669-2-1, British Standard EN 60669-2-1

1097 U	1032-0-0486	1/10

1) For installation on British Standard wallboxes please use adapter plate APBS (6599-0-2813).
2) Servo-valves, "closed when de-energized", are necessary for connection to thermostat, e. g., Art. No. 6164/10 .
3) Switching temperature difference: ± 0.4 K.

Universal
Data-Connection Boxes [1])
1gang
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Screw contacts

0213	0230-0-0227	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) To fit cover plate 1803-xxx.

Universal data connection box with down-leading
outlet [1])
2 gang internally parallel connected
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Screw contacts

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 outlets, 8 (8)-pole
Mounting Type: Flush-mounted
with down-leading outlet.
For 8-pole plug, RJ 11/12, RJ 45, ISDN capability, Cat. 3.
Screw contacts

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.

Data-Connection Boxes, RJ45, cat.5e, shielded [1])
1gang
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting
clamps.
Design: German Standard DIN EN 50173 and ISO/IEC
11801. Class E, EIA/TIA 568 A or B.
Up to 250 MHz on all pairs of wires.
Without claw.

0216	0230-0-0276	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.

Data-Connection Boxes, RJ45, cat.5e, shielded [1])
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
With down-leading outlet and LSA-PLUS self-cutting
clamps.
Design: German Standard DIN EN 50173 and ISO/IEC
11801. Class E, EIA/TIA 568 A or B.
Up to 250 MHz on all pairs of wires.
Without claw.

0217	0230-0-0284	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
delivery form:	Supplied with an adapter plate which must be filled with this insert.

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

Data-Connection Boxes, RJ45, cat 6, shielded [1] [2])
2 x outlets, 8/8-pole
Mounting Type: Flush-mounted
For channel installation.
With down-leading outlet and LSA-PLUS self-cutting
clamps.
Design: German Standard DIN EN 50173 and ISO/IEC
11801(2nd draft), Category Class E, EIA/TIA 568 A or B.
Up to 250 MHz on all pairs of wires and the pairs 1/2 and
7/8 up to 500 MHz.
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.

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i Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Telecommunications Outlet *)
Mounting Type: Flush-mounted
For 1 telephone.

| | TAE 6F | 0230-0-0128 | 5 |

*) Phase-out type

TAE connection box
6 F+N
Mounting Type: Flush-mounted
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

`NEW`

white	**0241/02**	0230-0-0385	10
alpine white	**0241/04**	0230-0-0386	10
black	**0241/05**	0230-0-0387	10

Telecommunications Outlet
Mounting Type: Flush-mounted
For 2 telephones/2 telephone numbers and 1 auxiliary
device or 1 data transmission unit.

| | TAE 2X6/6NFF | 0230-0-0151 | 5 |

TAE connection box
2x6/6 NFF
Mounting Type: Flush-mounted
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

`NEW`

white	**0242/02**	0230-0-0388	10
alpine white	**0242/04**	0230-0-0389	10
black	**0242/05**	0230-0-0390	10

Telecommunications Outlet
Mounting Type: Flush-mounted
For 1 telephone and 2 auxiliary devices or 2 data
transmission units (Datex J/BTX).

| | TAE 3X6 NFN | 0230-0-0136 | 5 |

TAE connection box
3x6 NFN
Mounting Type: Flush-mounted
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

`NEW`

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)/TAE 6F+N -
connection box [1])
2 x 6-pole
Mounting Type: Flush-mounted
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 (TAE): for 1 telephone, 1
auxiliary device or 1 data transmission unit,
with claw

| | 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.

Loudspeaker connection box [1])
Mounting Type: Flush-mounted
With clamp terminals (with screw terminals on the back).
Cable cross-section max. 10 mm^2.
Pooling with coloured marking.

| anthracite | **0247** | 0230-0-0382 | 10 |

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

Stereo loudspeaker connection box [1])
Mounting Type: Flush-mounted
With clamp terminals (with screw terminals on the back).
Cable cross-section max. 10 mm^2.
Pooling with coloured marking.

| anthracite | **0248** | 0230-0-0383 | 10 |

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

Satellite co-axial outlets
2 connectors/dead-end feeder
Mounting Type: Flush-mounted
Transmission bandwidth: 4-2400 MHz.

| metal clad | **0230-101** | 0230-0-0250 | 10/100 |

| | Loop through type | | |
| metal clad | **0231-101** | 0230-0-0268 | 10 |

| | **0239** | 0230-0-0201 | 10/100 |

Satellite co-axial outlets Radio/TV/SAT
3gang dead-end feeder
Mounting Type: Flush-mounted
Transmission bandwidth: 4-2150 MHz.

| metal clad | **0232-101** | 0230-0-0384 | 10/100 |

Terminating resistor
75 Ohm
Mounting Type: Flush-mounted

| | **0239** | 0230-0-0201 | 10/100 |

i Further technical details
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Product	Article-No.	Order-No.	Pack Qty
Supporting Frame **with green insert** Mounting Type: Flush-mounted For 2 modular jack inserts. For Lucent Technologie (formerly AT&T), unshielded Cat. 5/6, types: MPS 100E and MGS 200.	**1810**	1753-0-8048	10/100
Supporting Frame [1] **with red insert** Mounting Type: Flush-mounted For 2 modular jack inserts. Suitable for Art. No. 0210 and 0211. For system: AMP types unshielded: Cat. 3, 216 000-2, 216 005-4, 334 171-1. For the company, Radiall, types: R 280 Mod. 804 RJ 12, Cat. 3 - R 280 Mod. 805 RJ45, Cat. 4 - R 280 Mod. RJ45, Cat. 4 - R 280 Mod. 809 RJ45, Cat. 5 shielded* and Panduit unshielded CL 588BL.	**1812**	1753-0-8055	10/100

1) * For deep boxes (60 mm) only.

Product	Article-No.	Order-No.	Pack Qty
Supporting Frame **with black insert** Mounting Type: Flush-mounted For MTRJ or 2 modular jack inserts.	**1814**	1753-0-8063	10/100
Supporting Frame **with blue insert** Mounting Type: Flush-mounted For 2 modular jack inserts. For system: ITT Cannon RJ45 Cat. 5 type 808 RJ45 Mark III.	**1816**	1710-0-3100	10/100
Supporting Frame *) **with brown insert** Mounting Type: Flush-mounted For 2 modular jack inserts. For system: Alcatel Epsilon Jack, types: ACS-410.010, ACS-410.020 and ACS-410.030.	**1818**	1710-0-3121	10/100

*) Phase-out type

Product	Article-No.	Order-No.	Pack Qty
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 mm² (AWG 26) to 0.35 mm² (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 mm² (AWG 26) to 0.35 mm² (AWG 22).	**0211**	0225-0-0086	10

Product	Article-No.	Order-No.	Pack Qty
D-Type Data Connector [1] **DP** For fixation screws M3. With locking bolts.	**0200**	0225-0-0011	50
DP	**0201**	0225-0-0029	50
DP	**0202**	0225-0-0037	50

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

Product	Article-No.	Order-No.	Pack Qty
Built-in Jack Mounting Type: Flush-mounted 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 Mounting Type: Flush-mounted 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 mm² crimped or soldered)	**0299-0-0032**	0299-0-0032	10

For neon lamps and incandescent lamps.

Accessories
for flush-mounted devices

Product	**Article-No.**	Order-No.	Pack Qty
	DIN Profile-Semi Cylindrical Lock **different lock mechanism, with 3 keys** 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-53.		
metal clad	**0520 PZ-VS**	0470-0-0013	1/100
	Homogeneous lock mechanism, with 3 keys		
metal clad	**0521 PZ-GS**	0470-0-0021	1/100
	Extension of Claws¹) *) The claw extension is clamped over the switch/outlet- socket claw and under the claw screw. For the installation of flush mounted devices (all switches, push buttons, indication lamps and socket outlets), e.g. for deeply inserted boxes.		
	2149	1763-0-0010	100

1) Not for socket outlets with screwless terminals
*) Phase-out type

Product	**Article-No.**	Order-No.	Pack Qty
	Extension of Claws¹) For the installation of flush mounted SCHUKO socket outlets and also switches, push buttons, etc. and deeply installed flush mounted boxes.		
	2148	2148-0-0120	100

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

Product	**Article-No.**	Order-No.	Pack Qty
	Sun Sensor Mounting Type: Surface-mounted For Busch Wind and Sun blind switch insert 6480 U-10x. Measuring range: 5-50,000 lux.		
	6482	6410-0-0203	1
	Wind Sensor Mounting Type: Surface-mounted For Busch Wind and Sun sensor insert 6480 U-102.		
	6481-102	6410-0-0370	1
	Light Sensor For Busch Timer® III insert 6454 U-10x. Suitable for dusk and sun control. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6484	6410-0-0336	1/10
	Light Sensor For Busch Timer® III insert 6454 U-10x. Suitable for dusk and sun control. Including 6 m connecting cable. Measuring range: 15-50,000 lux.		
	6484/01	6410-0-0340	1/10

Product	**Article-No.**	Order-No.	Pack Qty
	Burglar-Alert Sensor For insert 6411U/S-101. With 4 m connecting cable.		
	6413-500	6410-0-0349	10/10
	Light Sensor For insert 6411U/S-101. With 2 m connecting cable. Measuring range: 15-50,000 lux.		
	6414-500	6410-0-0348	10/10
	Comfort timer control cover¹) 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		
	NEW **6455-500**	6410-0-0373	1/10

1) For respective cover plates 6435-xx, see page xxx.

ⓘ Further technical details
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Product	Article-No.	Order-No.	Pack Qty

Standard timer control cover [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

NEW
6456   6410-0-0374   1/10

[1] For respective cover plates 6435-xx, see page xxx.

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

NEW
6457   6410-0-0382   1/10

[1] For respective cover plates 1773 JA-xx.

Electrothermal Valve Drives, from Möhlenhoff with function indicator
For controlling heating and cooled ceilings in combination with heating actuator 6164 U or a switch actuator (e.g. 6967-xx, 6931 U-10x, 6110 U-10x, 6951 built-in, 6151 built-in, ...)
With function display (opened or closed).
de-energized when closed
max. opening/closing time: 3 min
For installing, a suitable valve adapter is required.
Power input: 8 mA (approx. 2 W)
Making current: 320 mA (short-time)
Connecting cable: 1.0 m (pluggable)
Rated voltage: 230 V
Protection class (Device): IP 40
Dimensions: (L x W x D): 43 mm x 47 mm

6164/10   6151-0-0169   1

Electrothermal Valve Drives, from Möhlenhoff with function indicator
For controlling heating and cooled ceilings in combination with the heating actuator 6164 U.
The Filament Transformer 6190/49 can be used as the voltage supply
With function display (opened or closed).
de-energized when closed
max. opening/closing time: 3 min
For installing, a suitable valve adapter is required.
Connecting cable: 1.0 m (pluggable)
Power input: 70mA (approx. 2W)
Making current: 200 mA (short-time)
Rated voltage: 24 V
Protection class (Device): IP 40
Dimensions: (L x W x D): 43 mm x 47 mm

6164/11   6151-0-0174   1

Product	Article-No.	Order-No.	Pack Qty

Valve adapter VA 02, from Möhlenhoff [1] [2]
For thermoelectric positioners 6164/10 and 6164/11.
For angle-type valves from Velta.
M 30 x 1.5 (external).

6164/23   6151-0-0173   5

[1] picture deviating
[2] The valve adapters are adapted to the standard valves made by the manufacturer.
Customised designs are to be tested, if required

Valve adapter VA 50, from Möhlenhoff [1] [2]
For thermoelectric positioners 6164/10 and 6164/11.
For angle-type valves from MNG, Honeywell & Brauck., Landis & Gyr or Reich.
M 30 x 1.5.

6164/21   6151-0-0171   5

[1] picture deviating
[2] The valve adapters are adapted to the standard valves made by the manufacturer.
Customised designs are to be tested, if required

Valve adapter VA 78, from Möhlenhoff [1] [2]
For thermoelectric positioners 6164/10 and 6164/11.
For angle-type valve from Danfoss RA flange.

6164/22   6151-0-0172   5

[1] picture deviating
[2] The valve adapters are adapted to the standard valves made by the manufacturer.
Customised designs are to be tested, if required

Valve adapter VA 80, from Möhlenhoff [1] [2]
For thermoelectric positioners 6164/10 and 6164/11.
For angle-type valves from Heimeier, Oventrop, Schlösser, Herb or Onda.
M 30 x 1.5.

6164/20   6151-0-0170   5

[1] picture deviating
[2] The valve adapters are adapted to the standard valves made by the manufacturer.
Customised designs are to be tested, if required

i Further technical details
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ABB

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]	**1799 01**	1799-0-0618	1
Labels 53.7 x 11.7 mm [3]	**1799 02**	1799-0-0626	1
Labels 47 x 8 mm [4]	**1799 03**	1799-0-0634	1/10
Labels 57.8 x 11.7 mm [5]	**1799 04**	1799-0-0642	
Labels 41.3 x 9.7 mm [6]	**1799 05**	1799-0-0659	1
Labels 53 x 8.5 mm [7]	**1799 06**	1799-0-0667	1
Labels 25 x 37.5 mm [8]	**1799 07**	1799-0-0675	1
Plastic foil labels 56,5 x 10.5 mm [9]	**1799 08**	1799-0-0683	1
Plastic foil labels 47 x 13.7 mm	**1799 09**	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 Art. No. 2601/6 WSN, 2601/6 WNN, 20 EWSN, 2300 EWWN, 2621 WSN, 20/2 EWSN, 20-02 EWSN, 2300/3 EWSN, 1758 WS

Product	Article-No.	Order-No.	Pack Qty
DIN A 4 Labelling Sheet **Plastic foil labels 59.7 x 11.7 mm** Suitable for Busch Script labelling software. With labels. [1]			
	1799 17	1799-0-0886	1
Plastic foil labels, 60.2 x 9.2 mm [2]	**1799 18**	1799-0-0887	1
Plastic foil labels 60.2 x 10.2 mm [3]	**1799 19**	1799-0-0888	1

1) Suitable for 1764 NLI-8x.
2) Suitable for 20 EUN-8x.
3) Suitable for 1758-8x.

Product	Article-No.	Order-No.	Pack Qty
DIN A 4 Labelling Sheet [1] [2] **Plastic foil for Busch triton®** With labels. For Busch triton®. For laser printer. Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the EIB 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 EIB 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] 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 EIB 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] With labels. For EIB sensors solo®, future®, future® linear and carat®. For laser printer. Suitable for Busch Script labelling software. The Busch Script software can be found on the Internet or in the EIB database. [2]			
	1799 14	1799-0-0883	1
Plastic foil, 2gang control cover [3]	**1799 15**	1799-0-0884	1
Plastic foil, 4gang control cover [4]	**1799 16**	1799-0-0885	1

1) 1 piece = 1 sheet.
2) Suitable for Art.-No. 6125-...
3) Suitable for Art. No. 6126-...
4) Suitable for Art.No. 6124-..., 6127-..., 6127 MF-..., 6128-...., 6129-...

Product	Article-No.	Order-No.	Pack Qty
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 EIB database.			
NEW **1799 21**		1799-0-0907	1

1) 1 piece = 1 sheet.