

FEBRUARY 2020

Webinar “Standard/Professional Switch Actuators”

Webinar – Competence Center Europe – Smart Buildings

Thorsten Reibel, Jürgen Schilder, Stefan Grosse, Martin Wichary & Ilija Zivadinovic

Agenda

Overview Next Generation Switching

Standard Switch Actuators

Professional Switch Actuators

Features “Standard/Professional Switch Actuators”

ETS Application “Standard/Professional Switch Actuators”

Commercial and Marketing Aspects “Standard/Professional Switch Actuators”

Webinar “Standard/Professional Switch Actuators”

Overview Next Generation Switching

Webinar “Standard/Professional Switch Actuators”

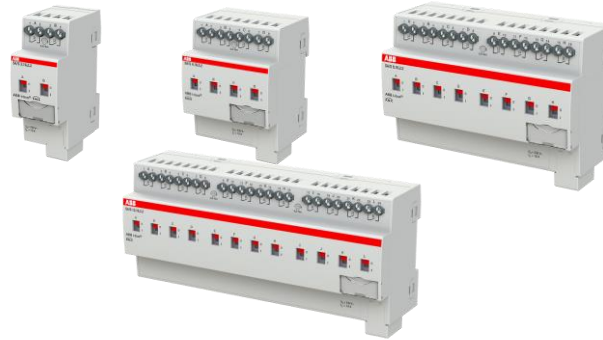
Next Generation Switching

Combi Switch Actuators



- Compact + switch/shutter modes
- 8 (4MW), 16 (8MW) & 24 (12 MW) channels
- 6A, 10A & 16A - AC1 ratings
- 3 x 3 devices

Standard Switch Actuators



- 2, 4, 8 & 12 channels
- 6A, 10A & 16A - AC1 ratings
- 3 x 4 devices

Professional Switch Actuators



- 2, 4, 8 & 12 channels
- 16/20A C-load + energy function
- 2 x 4 devices

Residential



Applications



Commercial

Webinar “Standard/Professional Switch Actuators”

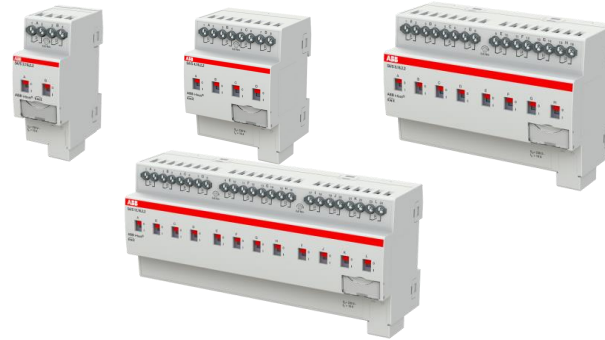
Next Generation Switching

Combi Switch Actuators



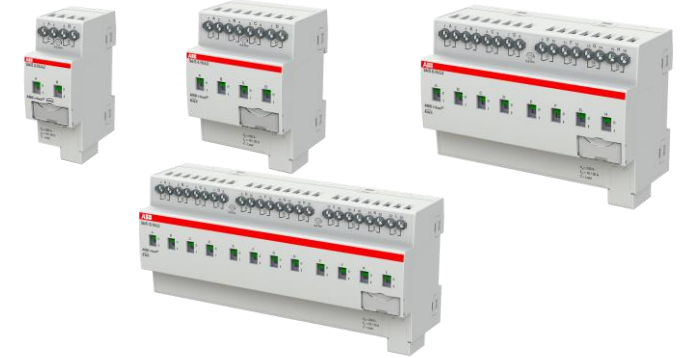
- Compact + switch/shutter modes
- 8 (4MW), 16 (8MW) & 24 (12 MW) channels
- 6A, 10A & 16A - AC1 ratings
- 3 x 3 devices

Standard Switch Actuators



- 2, 4, 8 & 12 channels
- 6A, 10A & 16A - AC1 ratings
- 3 x 4 devices

Professional Switch Actuators



- 2, 4, 8 & 12 channels
- 16/20A C-load + energy function
- 2 x 4 devices

Residential



Applications



Commercial

Webinar “Standard/Professional Switch Actuators”

Standard Switch Actuators

Webinar “Standard/Professional Switch Actuators”

Standard Switch Actuators - Overview

Key Characteristics

- ‘High-runner’ types for all standard switching applications
- Data
 - 2 / 4 / 8 / 12 outputs
 - 6A, 10A and 16A (AC1)
 - Manual operation (voltage independent)
 - Combi screw-head terminals
 - Single application, smart features
 - New housing
 - Being prepared for future developments (Software functions, IoT services)

6A (4 devices)



10A (4 devices)



16A (4 devices)



Webinar “Standard/Professional Switch Actuators”

Range

Main technical Differences between Standard Switch Actuators

Switch Actuator	Channels	Rated Current I_N per Channel	Module Width (MW)	Group Adresses	Group Objects	Total Current per Device
SA/S 2.6.2.2	2	6A	2	1000	136	2 x 6A
SA/S 4.6.2.2	4	6A	4	1000	166	4 x 6A
SA/S 8.6.2.2	8	6A	8	1000	226	8 x 6A
SA/S 12.6.2.2	12	6A	12	1000	286	12 x 6A
SA/S 2.10.2.2	2	10A	2	1000	136	2 x 10A
SA/S 4.10.2.2	4	10A	4	1000	166	4 x 10A
SA/S 8.10.2.2	8	10A	8	1000	226	8 x 10A
SA/S 12.10.2.2	12	10A	12	1000	286	12 x 10A
SA/S 2.16.2.2	2	16A	2	1000	136	2 x 16A
SA/S 4.16.2.2	4	16A	4	1000	166	4 x 16A
SA/S 8.16.2.2	8	16A	8	1000	226	8 x 16A
SA/S 12.16.2.2	12	16A	12	1000	286	12 x 16A

Webinar “Standard/Professional Switch Actuators”

Professional Switch Actuators

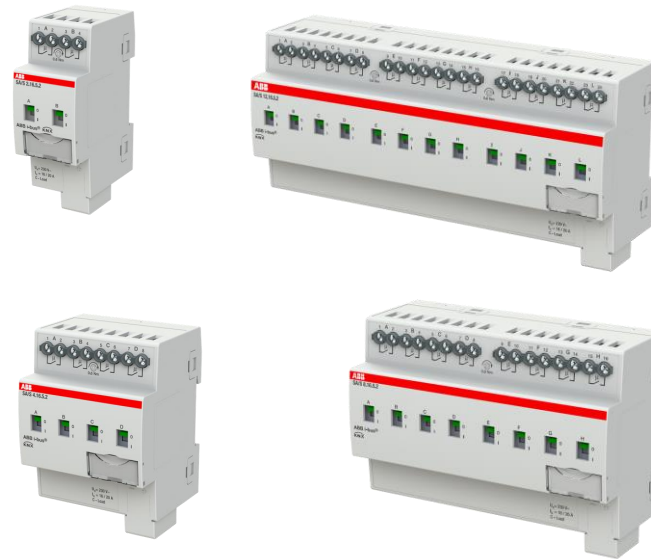
Webinar “Standard/Professional Switch Actuators”

Professional Switch Actuators

Key Characteristics

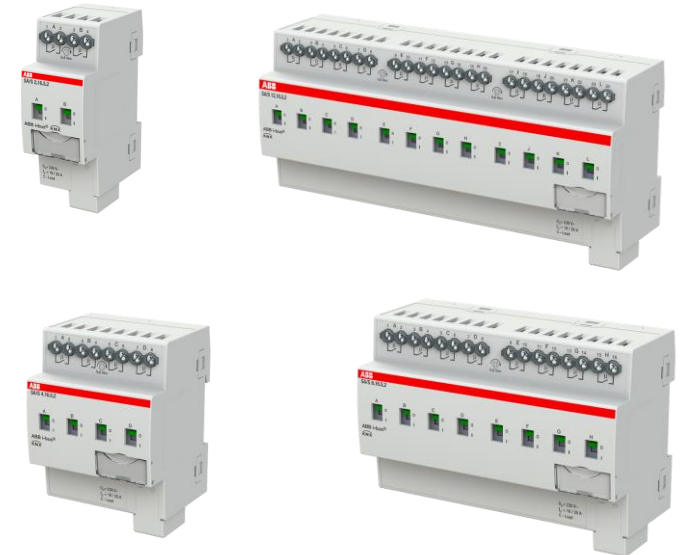
- High-switching-capacity devices with extended functionality for industry standard applications
- Data
 - 2 / 4 / 8 / 12 outputs
 - 16/20A C-Load (high capacity)
 - Energy function
 - Manual operation (voltage independent)
 - Combi screw-head terminals
 - Single application, smart features
 - New housing and label carrier
 - Prepared for future developments (Software functions, IoT services)

16/20A C-load (4 devices)



Key feature: High load capacity

16/20A C-load, Energy Function (4 devices)



Key feature: High load capacity and energy function

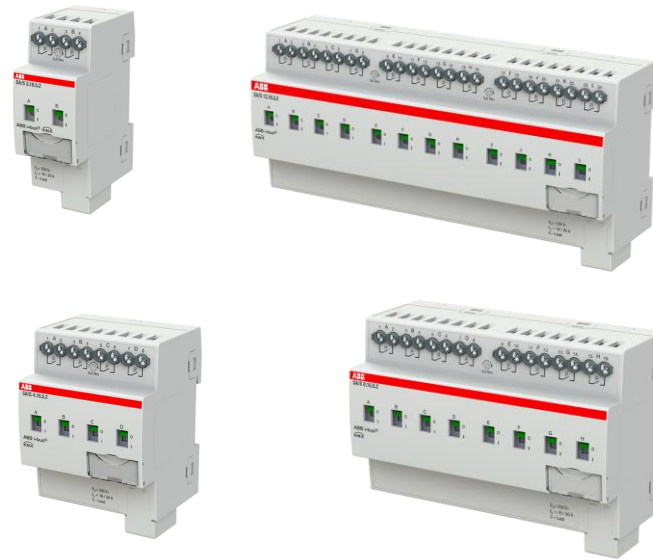
Webinar “Standard/Professional Switch Actuators”

Professional Switch Actuators

Key Characteristics

- High-switching-capacity devices with extended functionality for industry standard applications
- Data
 - 2 / 4 / 8 / 12 outputs
 - 16/20A C-Load (high capacity)
 - Energy function
 - Manual operation (voltage independent)
 - Combi screw-head terminals
 - Single application, smart features
 - New housing and label carrier
 - Prepared for future developments (Software functions, IoT services)

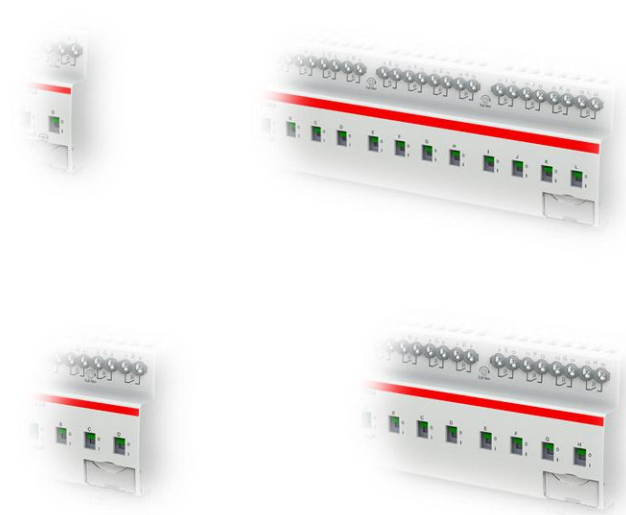
16/20A C-load (4 devices)



Key feature: High load capacity

16/20A C-load, Energy Function (4 devices)

Availability: Later in 2020



Key feature: High load capacity and energy function

Webinar “Standard/Professional Switch Actuators”

Range

Main technical Differences between Professional Switch Actuators

Switch Actuator	Channels	Rated Current I_N per Channel	Module Width (MW)	Group Adresses	Group Objects / Assignments	Total Current per Device
SA/S 2.16.5.2	2	16/20A	2	1000	136	2 x 20A
SA/S 4.16.5.2	4	16/20A	4	1000	166	4 x 20A
SA/S 8.16.5.2	8	16/20A	8	1000	226	8 x 20A
SA/S 12.16.5.2	12	16/20A	12	1000	286	12 x 20A

Webinar “Standard/Professional Switch Actuators”

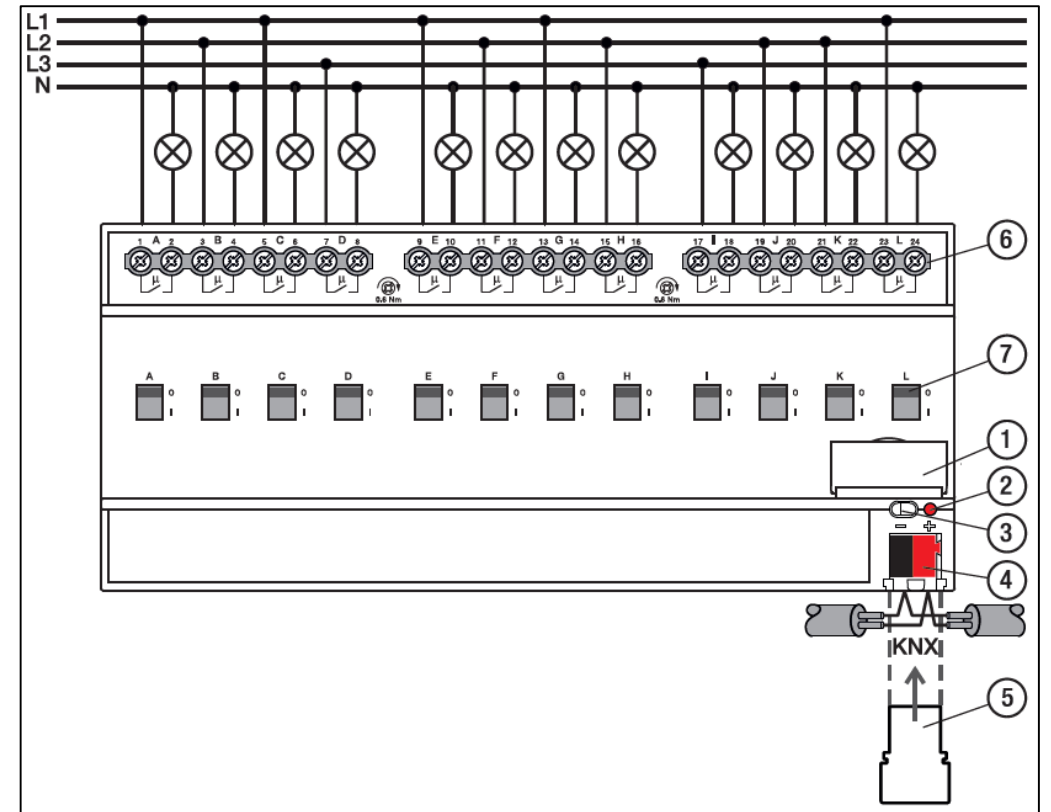
Features “Standard and Professional Switch Actuators”

Webinar “Standard/Professional Switch Actuators”

Connection Diagram

Legend

- 1 Label carriers
- 2 Programming LED
- 3 Programming button
- 4 Bus connection terminal
- 5 Cover cap
- 6 Load circuit, two screw terminals each
- 7 Contact position indication and ON/OFF actuation



Webinar “Standard/Professional Switch Actuators”

Selection Table

Overview about hardware performance (Relay, Power, Loads) and software features to select the right device [Link](#)

Differences between 6/10/16 A outputs

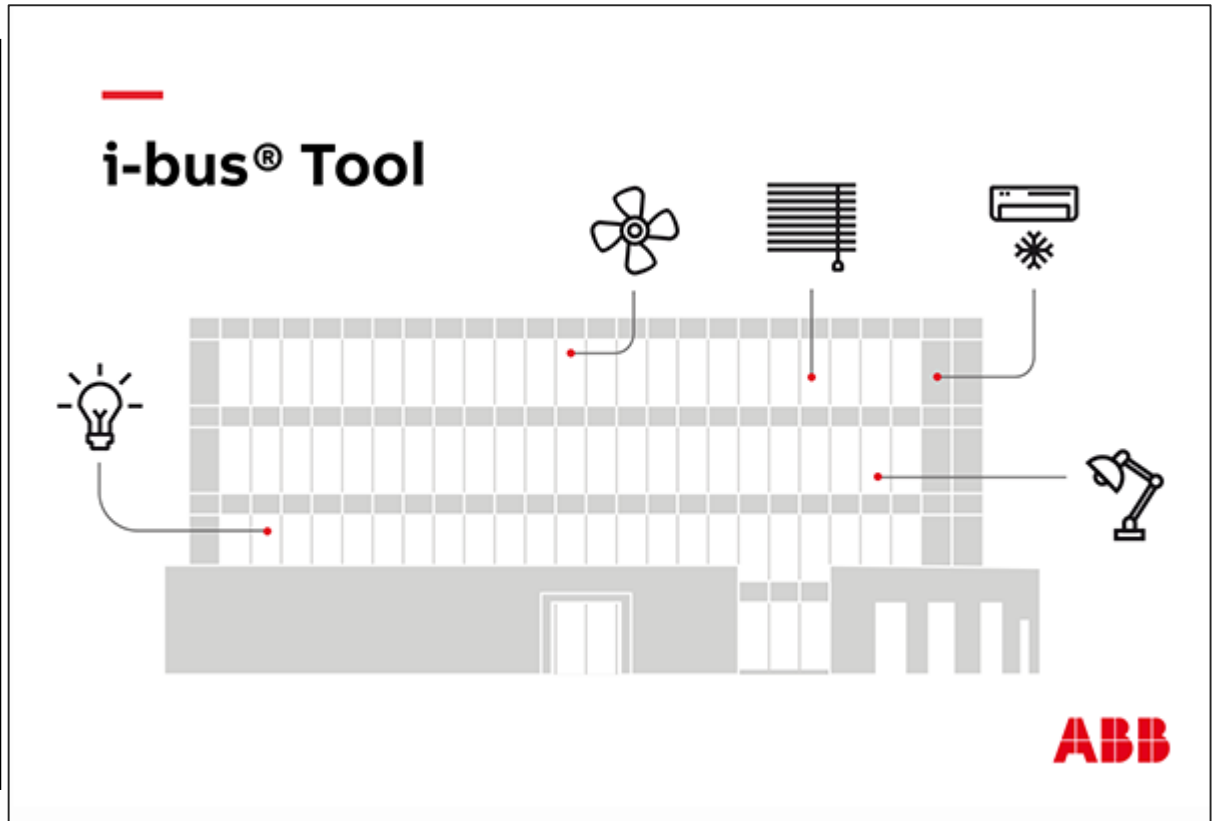
- Rated current I_N distinguish the components 6A, 10A and 16A, according to DIN EN 60947-4-1
(AC1 operation with $\cos \phi = 0,8$)
(AC3 operation with $\cos \phi = 0,45$)
- Switch actuator Professional with 16/20A C-Load at 200uF
- Switch Actuator Professional prepared for high inrush current (ballast for LED or fluorescent lighting) and motor load
- The continuous current and finally the total current of each device is important for the design of the circuit, the line protection and the switch actuator
- Depending on the rules and requirements in different countries (6, 10 or 16A electrical circuits) the right devices from ABB can be selected

	SA/S 2.6.2.2	SA/S 2.10.2.2	SA/S 2.16.2.2	SA/S 2.16.5.2
	SA/S 4.6.2.2	SA/S 4.10.2.2	SA/S 4.16.2.2	SA/S 4.16.5.2
	SA/S 8.6.2.2	SA/S 8.10.2.2	SA/S 8.16.2.2	SA/S 8.16.5.2
	SA/S 12.6.2.2	SA/S 12.10.2.2	SA/S 12.16.2.2	SA/S 12.16.5.2
Range	Standard	Standard	Standard	Professional
I_N rated current (A) ^{a)}	6 A	10 A	16 A	16/20 A C-Load
U_N rated voltage (V)	230 V AC	230 V AC	230 V AC	230 V AC
AC1 operation ($\cos \phi = 0.8$) DIN EN 60947-4-1	6 A	10 A	16 A	20 A
AC3 operation ($\cos \phi = 0.45$) DIN EN 60947-4-1	6 A	8 A	8 A	16 A
C-Load switching capacity (200 μ F)	–	–	–	20 A
Fluorescent lighting load AX to EN 60669-1	6 AX (140 μ F) ^{b)}	10 AX (140 μ F) ^{b)}	16 A (140 μ F) ^{b)}	20 AX (200 μ F) ^{b)}
Minimum switching capacity	100 mA/12 V	100 mA/12 V	100 mA/12 V	100 mA/12 V
DC current switching capacity (resistive load)	6 A/24 V =	10 A/24 V =	16 A/24 V =	20 A/24 V =
Mechanical service life	> 3 x 10 ⁶	> 3 x 10 ⁶	> 3 x 10 ⁶	> 10 ⁶
Electronic endurance to IEC 60947-4-1:				
– Rated current AC1 (240 V/0.8)	100,000	100,000	100,000	100,000
– Rated current AC3 (240 V/0.45)	30,000	30,000	30,000	30,000
– Rated current AC5a (240 V/0.45)	30,000	30,000	30,000	30,000
Incandescent lamp load at 230 V AC	1,380 W	2,500 W	2,500 W	3,680 W
Fluorescent lamp T5 / T8:				
– Uncorrected	1,380 W	2,500 W	2,500 W	3,680 W
– Parallel compensated	1,380 W	1,500 W	1,500 W	2,500 W
– DUO circuit	1,380 W	1,500 W	1,500 W	3,680 W
Low-voltage halogen lamps:				
– Inductive transformer	1,200 W	1,200 W	1,200 W	2,000 W
– Electronic transformer	1,380 W	1,500 W	1,500 W	2,500 W
Halogen lamp 230 V	1,380 W	2,500 W	2,500 W	3,680 W
Dulux lamps:				
– Uncorrected	1,100 W	1,100 W	1,100 W	3,680 W
– Parallel compensated	1,100 W	1,100 W	1,100 W	3,000 W
Mercury-vapour lamps:				
– Uncorrected	1,380 W	2,000 W	2,000 W	3,680 W
– Parallel compensated	1,380 W	2,000 W	2,000 W	3,000 W
Sodium-vapour lamps:				
– Uncorrected	1,380 W	2,000 W	2,000 W	3,680 W
– Parallel compensated	1,380 W	2,000 W	2,000 W	3,000 W
LED lamps/energy saving lamps	400 W	400 W	400 W	650 W
Motor load	1380 W	1840 W	1840 W	3680 W
Max. peak inrush-current I_p (150 μ s)	400 A	400 A	400 A	600 A
Max. peak inrush-current I_p (250 μ s)	320 A	320 A	320 A	480 A
Max. peak inrush-current I_p (600 μ s)	200 A	200 A	200 A	300 A
Number of electronic ballasts (T5/T8, single element): ^{c)}				
18 W (ABB ballasts 1 x 18 SF)	23 ballasts	23 ballasts	23 ballasts	26 ^{b)} ballasts
24 W (ABB ballasts 1 x 24 CV)	23 ballasts	23 ballasts	23 ballasts	26 ^{b)} ballasts
36 W (ABB ballasts 1 x 36 CF)	14 ballasts	14 ballasts	14 ballasts	22 ballasts
58 W (ABB ballasts 1 x 58 CF)	11 ballasts	11 ballasts	11 ballasts	12 ^{b)} ballasts
80 W (Helvar EL 1 x 80 SC)	10 ballasts	10 ballasts	10 ballasts	12 ^{b)} ballasts

Webinar “Standard/Professional Switch Actuators”

ABB i-bus Tool

- All relevant ABB i-bus KNX Devices from the last years could be used together with ABB i-bus Tool
- The same will happen for the new generation of Switch Actuators (Combi/Standard/Professional)
- Availability planned for 2020



Webinar “Standard/Professional Switch Actuators”

ETS Application “Standard/Professional Switch Actuators”

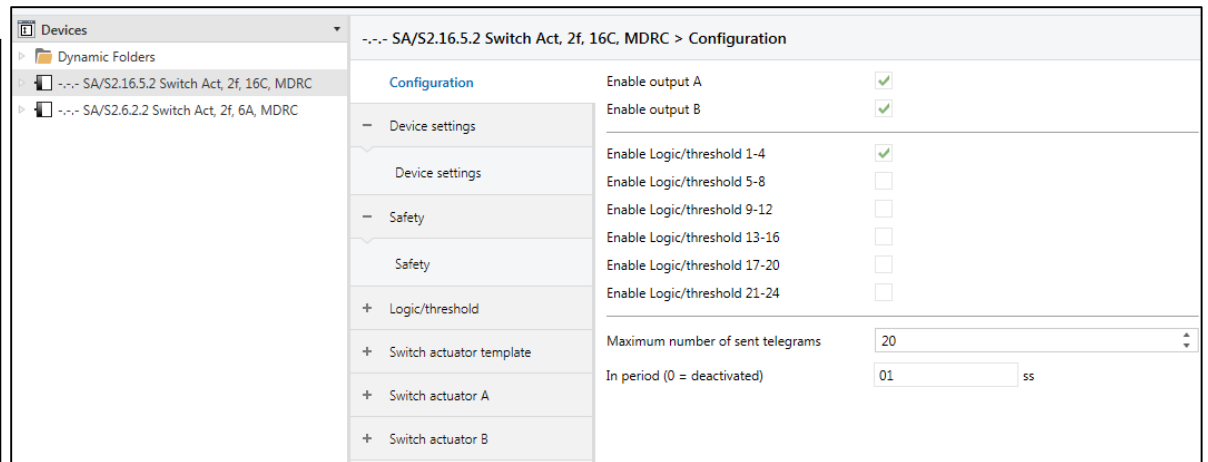
Webinar “Standard/Professional Switch Actuators”

ETS

ETS Application with comprehensive functions and satisfying user experience

Application like Combi Switch Actuator but without shutter functionality

- Templates for switch functions
- Freely programmable logic independent of the output channels (AND, OR, Exclusive OR, GATE) and threshold functions
- Switch outputs with time functions (Staircase, Delay, Flashing), forced operation, blocking, 16 scenes (8 bit)
- Central objects (switching and scenes)
- Colored hints simplify work
- ETS5 required



i The objects "Safety priority 1-3" are enabled on the Safety/weather alarms page. The order specifies the priority of the safety functions.

i Observe the contact life and switching cycles per minute. For more information, see product manual.

Webinar “Standard/Professional Switch Actuators”

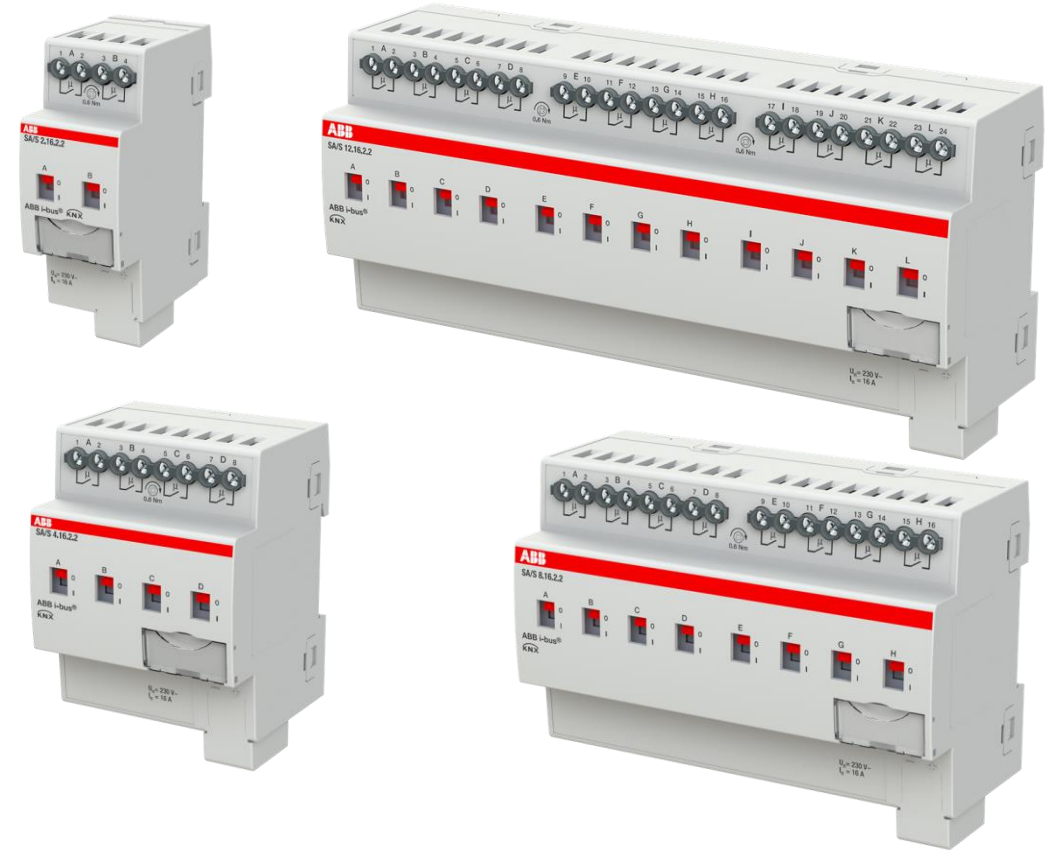
Commercial and Marketing Aspects “Standard/Professional Switch Actuators”

Webinar “Standard/Professional Switch Actuators”

Standard Switch Actuator

Order Code and List Price (ABB Version)

Standard Switch Actuator	Order Code	List Price (excl. VAT)
SAS/S 2.6.2.2	2CDG110253R0011	166 €
SAS/S 4.6.2.2	2CDG110254R0011	207 €
SAS/S 8.6.2.2	2CDG110255R0011	285 €
SAS/S 12.6.2.2	2CDG110256R0011	354 €
SAS/S 2.10.2.2	2CDG110257R0011	184 €
SAS/S 4.10.2.2	2CDG110258R0011	229 €
SAS/S 8.10.2.2	2CDG110259R0011	322 €
SAS/S 12.10.2.2	2CDG110260R0011	400 €
SAS/S 2.16.2.2	2CDG110261R0011	202 €
SAS/S 4.16.2.2	2CDG110262R0011	252 €
SAS/S 8.16.2.2	2CDG110263R0011	348 €
SAS/S 12.16.2.2	2CDG110264R0011	432 €

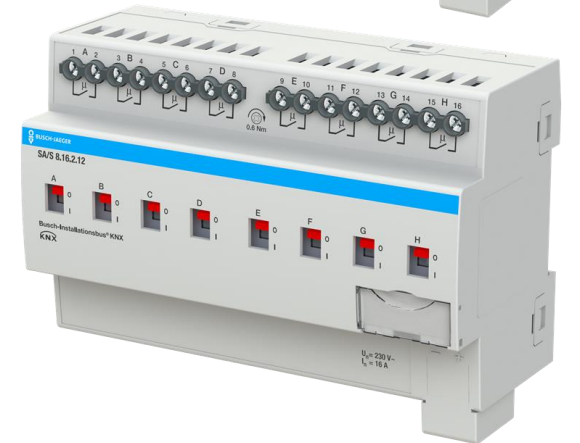
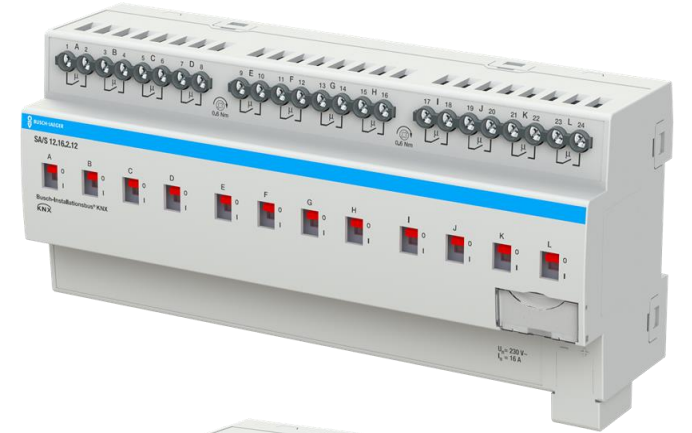


Webinar “Standard/Professional Switch Actuators”

Standard Switch Actuator

Order Code and List Price (Busch-Jaeger Version)

Standard Switch Actuator	Order Code	List Price (excl. VAT)
SAS/S 2.10.2.12	2CDG110257R0021	184 €
SAS/S 4.10.2.12	2CDG110258R0021	229 €
SAS/S 8.10.2.12	2CDG110259R0021	322 €
SAS/S 12.10.2.12	2CDG110260R0021	400 €
SAS/S 2.16.2.12	2CDG110261R0021	202 €
SAS/S 4.16.2.12	2CDG110262R0021	252 €
SAS/S 8.16.2.12	2CDG110263R0021	348 €
SAS/S 12.16.2.12	2CDG110264R0021	432 €

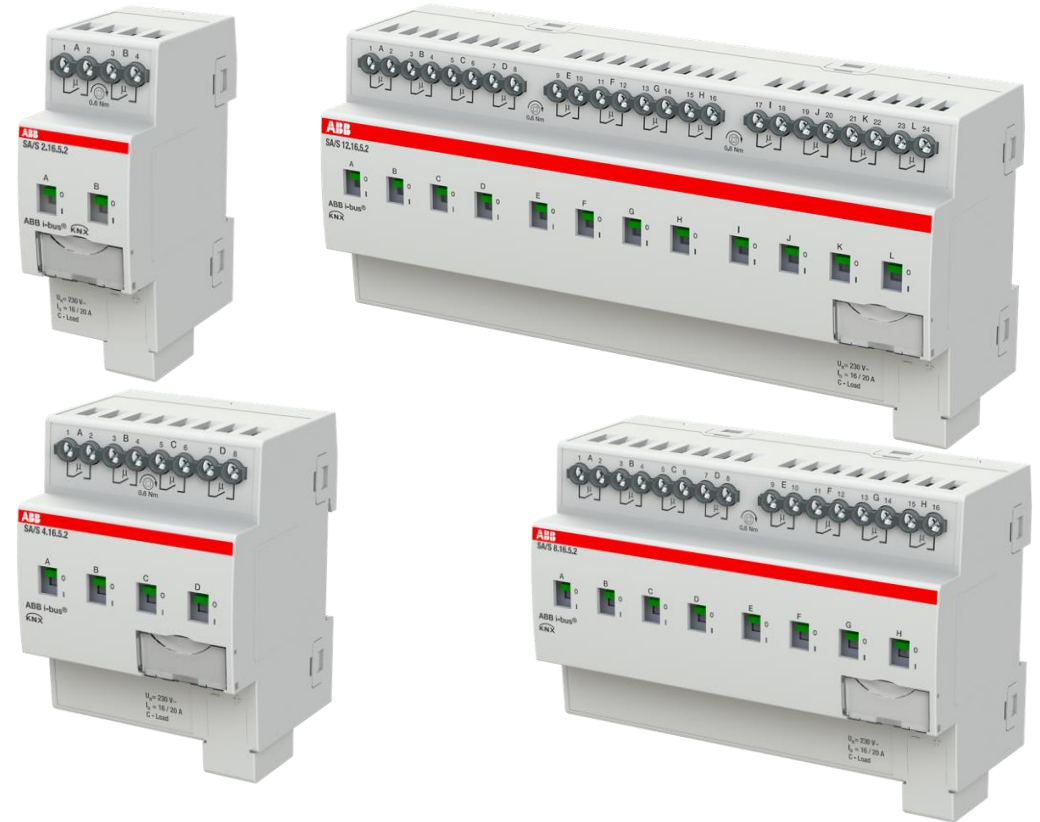


Webinar “Standard/Professional Switch Actuators”

Professional Switch Actuator

Order Code and List Price (ABB Version)

Professional Switch Actuator	Order Code	List Price (excl. VAT)
SAS/S 2.16.5.2	2CDG110265R0011	230 €
SAS/S 4.16.5.2	2CDG110266R0011	288 €
SAS/S 8.16.5.2	2CDG110267R0011	398 €
SAS/S 12.16.5.2	2CDG110268R0011	490 €

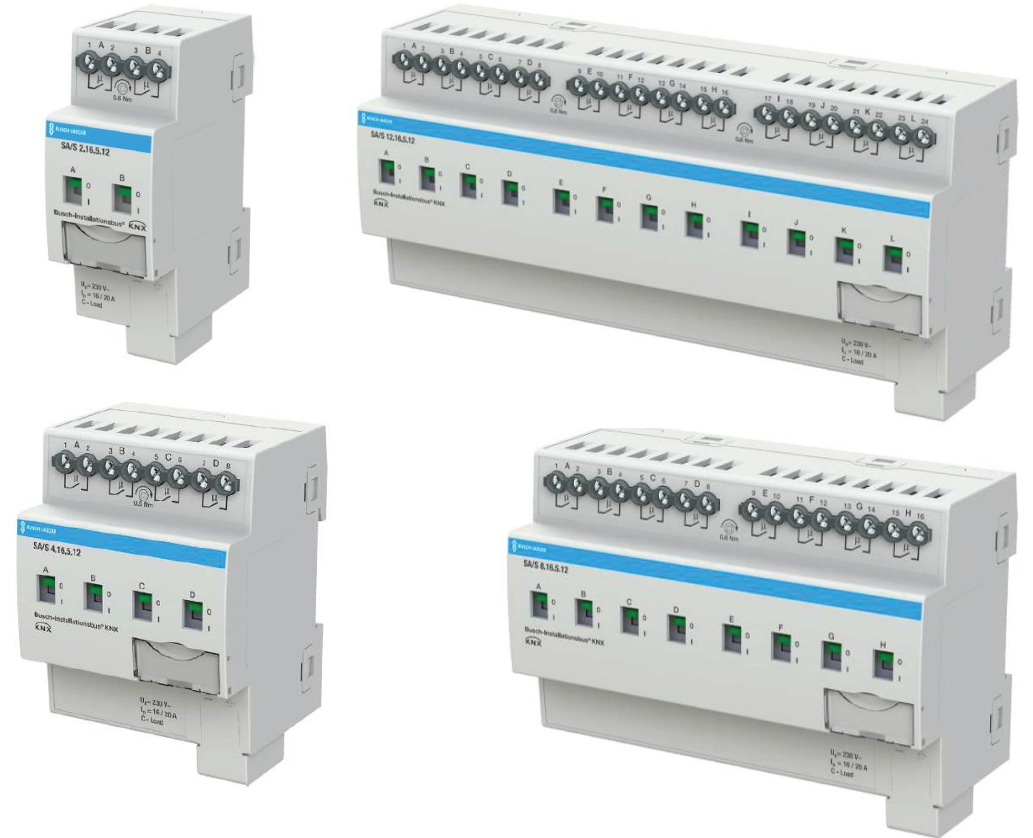


Webinar “Standard/Professional Switch Actuators”

Professional Switch Actuator

Order Code and List Price (Busch-Jaeger Version)

Professional Switch Actuator	Order Code	List Price (excl. VAT)
SAS/S 2.16.5.12	2CDG110265R0021	230 €
SAS/S 4.16.5.12	2CDG110266R0021	288 €
SAS/S 8.16.5.12	2CDG110267R0021	398 €
SAS/S 12.16.5.12	2CDG110268R0021	490 €



Webinar “Standard/Professional Switch Actuators”

Range Overview

Smarter Solutions for Home and Building Automation

ABB i-bus KNX

Product Range Overview 2019/2020

Including all new Switch Actuators

[LINK](#)



Smarter Solutions for Home and Building Automation
ABB i-bus® KNX
Product Range Overview 2019/2020

Product description, quick and easy selection of product codes

42 PRODUCT RANGE OVERVIEW 2019/2020 9AKK107492-3100 REV. B

ABB i-bus® KNX
 Outputs – Combi Switch Actuators

Switching/Shading Actuator, 6 A, MDRC NEW
 The compact 6 A combi switch actuator has 8, 16 or 24 independent switching relays (no electromechanically interlocking). The outputs can be used individually via ABB i-bus® KNX for switching electrical loads or in pairs for controlling 230 V AC roller shutter or blind drives. The device features a manual operation, which can also be disabled. Via the manual operation the outputs can be operated manually and the switching or driving status is displayed. The device is powered by KNX and requires no additional power supply.
 Available November 2019

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code			
8-fold	4	SAH/S 8.6.7.1	ZCCG10244R0011	0.349	1	
16-fold	8	SAH/S 16.6.7.1	ZCCG11024R0011	0.396	1	
24-fold	12	SAH/S 24.6.7.1	ZCCG11024R0011	0.83	1	

SAH/S 8.6.7.1

Switching/Shading Actuator, 10 A, MDRC NEW
 The compact 10 A combi switch actuator has 8, 16 or 24 independent switching relays (no electromechanically interlocking). The outputs can be used individually via ABB i-bus® KNX for switching electrical loads or in pairs for controlling 230 V AC roller shutter or blind drives. The device features a manual operation, which can also be disabled. Via the manual operation the outputs can be operated manually and the switching or driving status is displayed. The device is powered by KNX and requires no additional power supply.
 Available November 2019

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code			
8-fold	4	SAH/S 8.10.7.1	ZCCG11024R0011	0.349	1	
16-fold	8	SAH/S 16.10.7.1	ZCCG11024R0011	0.396	1	
24-fold	12	SAH/S 24.10.7.1	ZCCG11024R0011	0.83	1	

SAH/S 16.10.7.1

Switching/Shading Actuator, 16 A, MDRC NEW
 The compact 16 A combi switch actuator has 8, 16 or 24 independent switching relays (no electromechanically interlocking). The outputs can be used individually via ABB i-bus® KNX for switching electrical loads or in pairs for controlling 230 V AC roller shutter or blind drives. The device features a manual operation, which can also be disabled. Via the manual operation the outputs can be operated manually and the switching or driving status is displayed. The device is powered by KNX and requires no additional power supply.
 Available November 2019

Description	Mod. width	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code			
8-fold	4	SAH/S 8.16.7.1	ZCCG11024R0011	0.349	1	
16-fold	8	SAH/S 16.16.7.1	ZCCG11024R0011	0.396	1	
24-fold	12	SAH/S 24.16.7.1	ZCCG11024R0011	0.83	1	

SAH/S 24.16.7.1

Webinar “Standard/Professional Switch Actuators”

Microsite

Product page with the first main information and links to further related pages

Standard Switch Actuator:

[LINK](#)


Professional Switch Actuator:

[LINK](#)

ABB HOME - OFFERING - LOW VOLTAGE PRODUCTS - HOME AND BUILDING AUTOMATION - ABB i-BUS® KNX STANDARD SWITCH ACTUATORS GLOBAL SITE

ABB i-bus® KNX Standard Switch Actuators

Switch to a smarter tomorrow






Universal switching in any application – The next generation of Standard Switch Actuators are perfectly suited for universal use in modern commercial buildings. These 12 devices are ideal for use in modern commercial buildings and offer simple installation, tool-free assembly and disassembly, together with cost and time savings during commissioning, thanks to a user-friendly interface.

Thanks to the wide range of devices with a high number of outputs and switching currents, the Standard Switch Actuators provide the perfect fit for all common standard switching applications, delivering further savings on costs and space in the distribution board.

Are you looking for support or purchase information?
→ Contact us

Main benefits

- **Versatility**
Complete portfolio - Wide choice of number of outputs and different currents and universal switching in any application.
- **Efficiency**
Cost and time savings during commissioning thanks to user-friendly interface and template pages with central group objects.
- **Complete portfolio**
Wide choice of number of outputs and different currents plus space saving by using the right fit that suits your needs.


Main features

- Easy installation thanks to combi screw-head terminals
- Tool-free assembly and disassembly from DIN-rail
- Unified housing – one simplified user interface
- Easy status identification without bus voltage
- Simplified commissioning thanks to template pages and central functions for all outputs

ABB HOME - OFFERING - LOW VOLTAGE PRODUCTS - HOME AND BUILDING AUTOMATION - ABB i-BUS® KNX PROFESSIONAL SWITCH ACTUATORS GLOBAL SITE

ABB i-bus® KNX Professional Switch Actuators

Switch to a smarter tomorrow





Suitable for large commercial buildings, the series includes eight switch actuators, designed for reliable switching of high and capacitive loads of up to 20 A C-Load.

Thanks to its user-friendly interface and simple programming, commissioning is both cost and time efficient.

Are you looking for support or purchase information?
→ Contact us

Main benefits

- **High switching capacity**
Reliable switching of high and alternating loads suitable for large commercial projects and flexible connection of loads up to 20 A C-load and various consumers.
- **Efficiency**
Cost-effective and time-saving commissioning thanks to its user-friendly interface and template pages with central group objects.

Main features

- High switching capacity devices with extended functionality for large commercial projects
- Easy installation thanks to combi screw-head terminals
- Tool-free assembly and disassembly from DIN-rail
- Easy status identification without bus voltage
- Simplified commissioning thanks to template pages and central functions for all outputs

Webinar “Standard/Professional Switch Actuators”

Homepage

www.abb.com/KNX

→ Products and Downloads

→ Outputs

→ Search Options SA/S

Product Manual

CAD Drawing

Installation and Operating Instructions

Specification Text

ETS Application

Selection Table

CE & RoHS Declaration of Conformity

• • •

Detailed information for: SA/S12.16.2.2

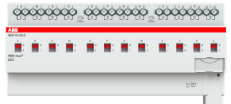
This page contains technical data sheet, documents library and links to offering related to this product. [Print...](#)
If you require any other information, please contact us using form located at the bottom of the page. [Print to Pdf...](#)

[Data Sheet](#) [Downloads](#)

SA/S12.16.2.2

General Information

Extended Product Type:	SA/S12.16.2.2
Product ID:	2CDG110264R0011
EAN:	4016779066693
Catalog Description:	SA/S12.16.2.2 Switch Actuator, 12-fold, 16 A, MDRC
Long Description:	The switch actuator uses potential free contacts to switch 12 independent electrical loads via the ABB I-bus®. Manual operation and display of the switching state of the contacts. The 16 A device is especially suited for resistive loads.



Categories

Products » Low Voltage Products and Systems » Home and Building Automation » KNX » Standard Outputs » Switch Actuators 16 A

Show all (11) >

Data sheet (3)	ETS Application (.knxprod) [XX] SA/S x.x.2.2 Summary: ETS Application (.knxprod) [XX] SA/S x.x.2.2 Version 1.0 Software - German, English, Spanish, French, Italian, Dutch, Polish - 2020-01-29 - 3,46 MB KNXPROD
Declaration of conformity (1)	CE & RoHS Declaration of Conformity (.PDF) [XX] SA/S12.16.2.x2 Summary: CE & RoHS Declaration of Conformity (.PDF) [XX] SA/S12.16.2.x2 Declaration of conformity - German, English, French, Italian - 2020-01-28 - 0,05 MB PDF
Drawing (2)	Technical Data (.PDF) [EN] SA/S12.16.2.2 Summary: Technical Data (.PDF) [EN] SA/S12.16.2.2 Data sheet - English - 2020-01-22 - 0,19 MB PDF
Manual (1)	Product Manual (.PDF) [EN] SA/S x.x.2.2 Summary: Product Manual (.PDF) [EN] SA/S x.x.2.2 Manual - English - 2020-01-21 - 4,52 MB PDF
Operating instruction (1)	
Software (1)	
Tender specification (2)	

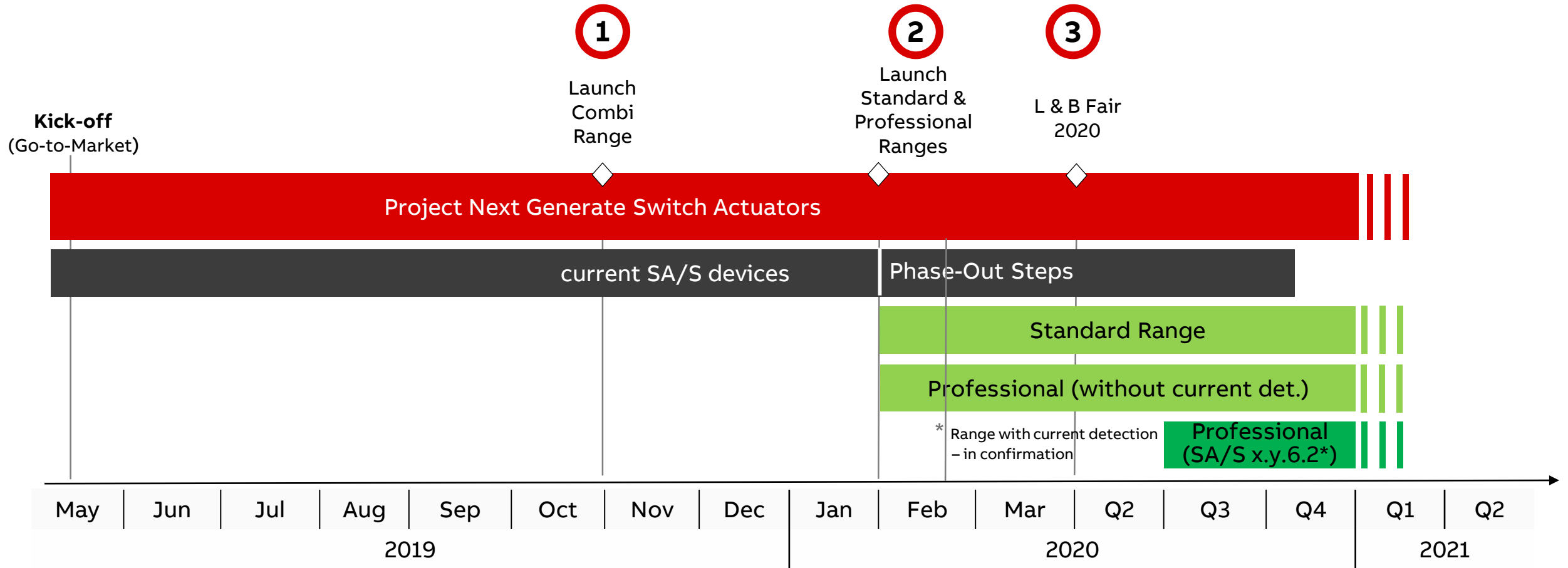
Webinar “Standard/Professional Switch Actuators”

Transformation Table

NGS Order Code Materialnummer	NGS Type Typenbezeichnung	Old Type (forerunner Type) Typenbezeichnung (Vorgänger-Type)	Product Name DE Produkt Name DE	Product Name EN Produkt Name EN	EAN-Code EAN Nummer	Switch Outputs Ausgänge Schaltakt	Shutter Outputs Ausgänge Jalousie	Module width Modulbreite	Rated current Nennstrom	List price 01/2020	Launch planned (Einführung geplant)	Phase-out (Auslauf-Phase)
ABB Combi Range												
2CDG 110 244 R0011	SAH/S8.6.7.1	-	Schalt-/Jalousieaktor, 8fach, 6 A, REG	Switch/Shutter Actuator, 8-fold, 6 A, MDRC	4016779066310	8	4	4		303,00 €		-
2CDG 110 245 R0011	SAH/S16.6.7.1	-	Schalt-/Jalousieaktor, 16fach, 6 A, REG	Switch/Shutter Actuator, 16-fold, 6 A, MDRC	4016779066792	16	8	8	6 A	441,00 €	October 2019	no forrunner device (kein Vorgänger)
2CDG 110 246 R0011	SAH/S24.6.7.1	-	Schalt-/Jalousieaktor, 24fach, 6 A, REG	Switch/Shutter Actuator, 24-fold, 6 A, MDRC	4013614552540	24	12	12		541,00 €		
2CDG 110 247 R0011	SAH/S8.10.7.1	-	Schalt-/Jalousieaktor, 8fach, 10 A, REG	Switch/Shutter Actuator, 8-fold, 10 A, MDRC	4016779066815	8	4	4		336,00 €		-
2CDG 110 248 R0011	SAH/S16.10.7.1	-	Schalt-/Jalousieaktor, 16fach, 10 A, REG	Switch/Shutter Actuator, 16-fold, 10 A, MDRC	4016779066822	16	8	8	10 A	488,00 €	October 2019	no forrunner device (kein Vorgänger)
2CDG 110 249 R0011	SAH/S24.10.7.1	-	Schalt-/Jalousieaktor, 24fach, 10 A, REG	Switch/Shutter Actuator, 24-fold, 10 A, MDRC	4016779066839	24	12	12		599,00 €		
2CDG 110 250 R0011	SAH/S8.16.7.1	-	Schalt-/Jalousieaktor, 8fach, 16 A, REG	Switch/Shutter Actuator, 8-fold, 16 A, MDRC	4016779066846	8	4	4		371,00 €		-
2CDG 110 251 R0011	SAH/S16.16.7.1	-	Schalt-/Jalousieaktor, 16fach, 16 A, REG	Switch/Shutter Actuator, 16-fold, 16 A, MDRC	4016779066853	16	8	8	16 A	540,00 €	October 2019	no forrunner device (kein Vorgänger)
2CDG 110 252 R0011	SAH/S24.16.7.1	-	Schalt-/Jalousieaktor, 24fach, 16 A, REG	Switch/Shutter Actuator, 24-fold, 16 A, MDRC	4016779066860	24	12	12		663,00 €		
ABB Standard Range												
2CDG 110 244 R0011	SAH/S8.6.7.1 *)	SA/S4.6.1.1	Schaltaktor, 4fach, 6 A, REG	Switch Actuator, 4-fold, 6 A, MDRC					6 A			1.Feb - 30. April 2020
2CDG 110 244 R0011	SAH/S8.6.7.1 *)	SA/S8.6.1.1	Schaltaktor, 8fach, 6 A, REG	Switch Actuator, 8-fold, 6 A, MDRC								
2CDG 110 245 R0011	SAH/S16.6.7.1 *)	SA/S12.6.1.1	Schaltaktor, 12fach, 6 A, REG	Switch Actuator, 12-fold, 6 A, MDRC								
2CDG 110 253 R0011	SA/S2.6.2.2	SA/S2.6.2.1	Schaltaktor, 2fach, 6 A, REG	Switch Actuator, 2-fold, 6 A, MDRC	4016779066716	2	-	2		166,00 €		
2CDG 110 254 R0011	SA/S4.6.2.2	SA/S4.6.2.1	Schaltaktor, 4fach, 6 A, REG	Switch Actuator, 4-fold, 6 A, MDRC	4016779066730	4	-	4	6 A	207,00 €	January 2020	1.Feb - 30. April 2020
2CDG 110 255 R0011	SA/S8.6.2.2	SA/S8.6.2.1	Schaltaktor, 8fach, 6 A, REG	Switch Actuator, 8-fold, 6 A, MDRC	4016779066754	8	-	8		285,00 €		
2CDG 110 256 R0011	SA/S12.6.2.2	SA/S12.6.2.1	Schaltaktor, 12fach, 6 A, REG	Switch Actuator, 12-fold, 6 A, MDRC	4016779066778	12	-	12		354,00 €		
2CDG 110 257 R0011	SA/S2.10.2.2	SA/S2.10.2.1	Schaltaktor, 2fach, 10 A, REG	Switch Actuator, 2-fold, 10 A, MDRC	4016779066556	2	-	2		184,00 €		
2CDG 110 258 R0011	SA/S4.10.2.2	SA/S4.10.2.1	Schaltaktor, 4fach, 10 A, REG	Switch Actuator, 4-fold, 10 A, MDRC	4016779066570	4	-	4	10 A	229,00 €	January 2020	1.Feb - 30. April 2020
2CDG 110 259 R0011	SA/S8.10.2.2	SA/S8.10.2.1	Schaltaktor, 8fach, 10 A, REG	Switch Actuator, 8-fold, 10 A, MDRC	4016779066594	8	-	8		322,00 €		
2CDG 110 260 R0011	SA/S12.10.2.2	SA/S12.10.2.1	Schaltaktor, 12fach, 10 A, REG	Switch Actuator, 12-fold, 10 A, MDRC	4016779066617	12	-	12		400,00 €		
2CDG 110 261 R0011	SA/S2.16.2.2	SA/S2.16.2.1	Schaltaktor, 2fach, 16 A, REG	Switch Actuator, 2-fold, 16 A, MDRC	4016779066631	2	-	2		202,00 €		
2CDG 110 262 R0011	SA/S4.16.2.2	SA/S4.16.2.1	Schaltaktor, 4fach, 16 A, REG	Switch Actuator, 4-fold, 16 A, MDRC	4016779066655	4	-	4	16 A	252,00 €	January 2020	1.Feb - 30. April 2020
2CDG 110 263 R0011	SA/S8.16.2.2	SA/S8.16.2.1	Schaltaktor, 8fach, 16 A, REG	Switch Actuator, 8-fold, 16 A, MDRC	4016779066679	8	-	8		348,00 €		
2CDG 110 264 R0011	SA/S12.16.2.2	SA/S12.16.2.1	Schaltaktor, 12fach, 16 A, REG	Switch Actuator, 12-fold, 16 A, MDRC	4016779066693	12	-	12		432,00 €		
ABB Professional Range												
2CDG 110 265 R0011	SA/S2.16.5.2	SA/S2.16.5.1	Schaltaktor, 2fach, 16 A, C-Last, REG	Switch Actuator, 2-fold, 16 A, C-Load, MDRC	4016779066457	2	-	2		230,00 €		
2CDG 110 266 R0011	SA/S4.16.5.2	SA/S4.16.5.1	Schaltaktor, 4fach, 16 A, C-Last, REG	Switch Actuator, 4-fold, 16 A, C-Load, MDRC	4016779066471	4	-	4	16/20 A	288,00 €	January 2020	1.Feb - 31. May 2020
2CDG 110 267 R0011	SA/S8.16.5.2	SA/S8.16.5.1	Schaltaktor, 8fach, 16 A, C-Last, REG	Switch Actuator, 8-fold, 16 A, C-Load, MDRC	4016779066495	8	-	8	C-Load	398,00 €		
2CDG 110 268 R0011	SA/S12.16.5.2	SA/S12.16.5.1	Schaltaktor, 12fach, 16 A, C-Last, REG	Switch Actuator, 12-fold, 16 A, C-Load, MDRC	4016779066518	12	-	12		490,00 €		
2CDG 110 269 R0011	SA/S2.16.6.2	SA/S2.16.6.1	Schaltaktor, 2fach, 16 A, C-Last mit Stromerkennung, REG	Switch Actuator, 2-fold, 16 A, C-Load, Current Detection, MDRC	4016779066327	2	-	2		253,00 €		
2CDG 110 270 R0011	SA/S4.16.6.2	SA/S4.16.6.1	Schaltaktor, 4fach, 16 A, C-Last mit Stromerkennung, REG	Switch Actuator, 4-fold, 16 A, C-Load, Current Detection, MDRC	4016779066419	4	-	4	16/20 A	317,00 €	tbd	tbd
2CDG 110 271 R0011	SA/S8.16.6.2	SA/S8.16.6.1	Schaltaktor, 8fach, 16 A, C-Last mit Stromerkennung, REG	Switch Actuator, 8-fold, 16 A, C-Load, Current Detection, MDRC	4016779066433	8	-	8	C-Load	438,00 €		
2CDG 110 272 R0011	SA/S12.16.6.2	SA/S12.16.6.1	Schaltaktor, 12fach, 16 A, C-Last mit Stromerkennung, REG	Switch Actuator, 12-fold, 16 A, C-Load, Current Detection, MDRC	4016779066532	12	-	12		539,00 €		

Webinar “Standard/Professional Switch Actuators”

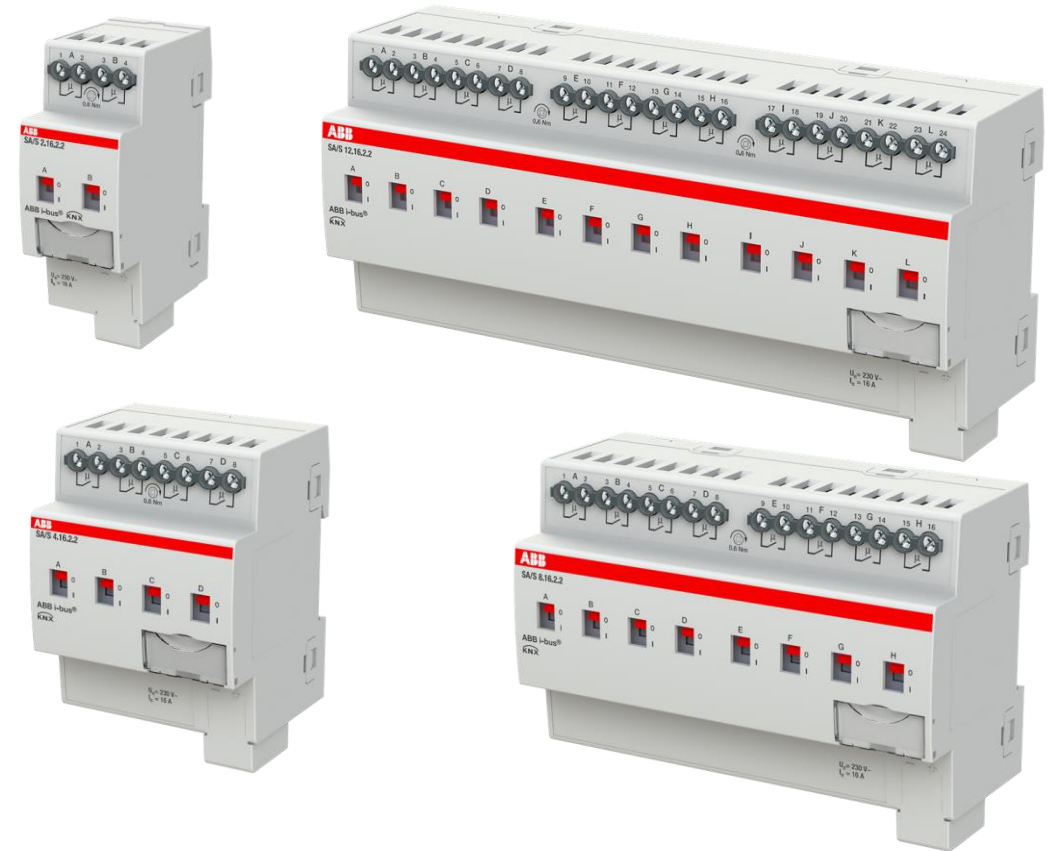
Timeline



Webinar “Standard/Professional Switch Actuators”

Summary of the Features and Advantages

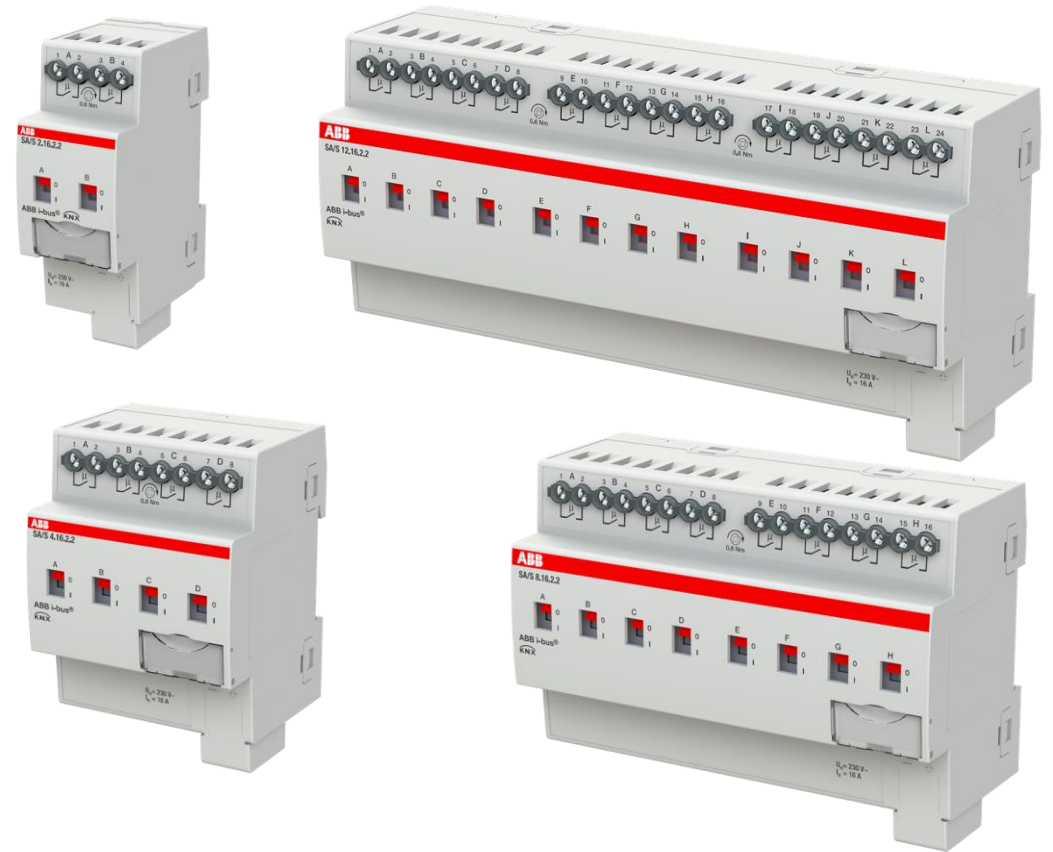
- Proven connection terminals with screws, on the same level
→ easy and stress-free wiring for the panel builder
- Classic manual operation
→ simple and well known, no bus voltage needed
- Up to 12 independent channels
→ very efficient solution (costs per channel) with no restrictions in functions
- Optimized ETS Application
→ easy to operate, saves time and satisfies the programmer, same look and feel for all new switch actuators
- Prepared for ABB i-bus tool connection (coming soon)
→ operation, status information, simulation and more



Webinar “Standard/Professional Switch Actuators”

Summary of the Features and Advantages

- Versions with 6, 10 (Standard) and 16A (Standard/Professional)
→ products available for the different market requirements
- Switch Actuators Professional with 16/20A relay and high inrush current
→ prepared for challenging loads
- Extension of Switch Actuators Professional with current detection in 2020
→ new functions with highest performance for switch actuators
- New hardware platform and digital ready components
→ allows in future feature extensions
- Designed and produced in Germany
→ highest quality standard



Disclaimer

The information in this document is subject to change without notice and should not be construed as a commitment by ABB. ABB assumes no responsibility for any errors that may appear in this document.

In no event shall ABB be liable for direct, indirect, special, incidental or consequential damages of any nature or kind arising from the use of this document, nor shall ABB be liable for incidental or consequential damages arising from use of any software or hardware described in this document.

© Copyright [2020] ABB. All rights reserved.

ABB

ABB