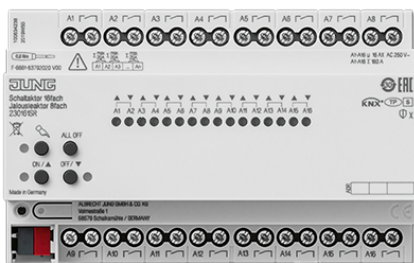


# Product data sheet

Switch actuator, 16-gang / blinds actuator, 8-gang



## Reference number

23016 1S R

### KNX switch actuator 16-gang KNX blinds actuator 8-gang

Rail mounting device, 8 rail units  
with manual electronic operation and LED status indication  
Project design and commissioning with ETS5 or a more recent version.  
ETS product family: Output  
Product type: Binary output

The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure

### Intended use

- Switching of electrical loads with floating contacts
- Switching of electrically-driven blinds, shutters, awnings and similar hangings
- Mounting on DIN rail according to EN 60715 in distribution boxes

### Product characteristics

- Outputs can be operated manually, construction site mode
- Feedback in manual mode and in bus mode
- Disabling of individual outputs manually or via bus
- Central functions
- Cyclical monitoring
- KNX Data Secure compatible with ETS 5.7.3 or higher
- Can be updated with the ETS Service App

### Characteristics switching operation

- Operation as NO or NC contacts
- Feedback function
- Logic operation and forcing function
- Central switching function with collective feedback
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with pre-warning function
- Scene function
- Operating hours counter

### Characteristics blinds operation

- Suitable for 230 V AC motors
- Operation modes 'Blind with slats', 'Shutter/awning', 'Ventilation flap/skylight'
- Blind/shutter position directly controllable
- Slat position directly controllable
- Feedback of movement status, blind/shutter position and slat position
- Cyclical feedback during movement
- Forced position through higher-level controller
- Safety function: rain alarm, frost alarm, 3 independent wind alarms
- Sun protection function with auto Heating/Cooling

- Scene function

The total current of two adjacent outputs must not exceed 20 A.

## Technical data

Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
<b>KNX</b>	
KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	4 ... 18 mA
<b>Outputs</b>	
Switching voltage:	AC 250 V ~
Switching current AC1 (cos > 0.8):	16 A
Fluorescent lamps:	16 AX
<b>Current carrying capacity</b>	
Neighbouring outputs:	20 A
<b>Loads per output</b>	
Ohmic load:	3000 W
Capacitive load:	16 A / 140 µF
Motors:	1380 VA
Switch-on current 200 µs:	max. 800 A
Switch-on current 20 ms:	max. 165 A
<b>Lamp loads 230 V</b>	
Incandescent lamps:	3000 W
HV halogen lamps:	2500 W
HV LED lamps:	max. 400 W
<b>LV halogen lamps with</b>	
electronic transformers:	1500 W
inductive transformers:	1200 VA
<b>Fluorescent lamps T5/T8</b>	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
lead-lag circuit:	2,300 W / 140 µF
<b>Compact fluorescent lamps</b>	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
<b>Mercury vapour lamps</b>	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 µF
Mounting width:	144 mm (8 rail units)
<b>Connection, power supply and load</b>	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
KNX:	KNX bus connection block

