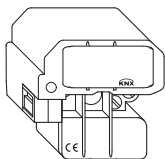


Switch actuator, flush-mounted/230/16

Operating instructions



Art. no. MTN629993

For your safety



DANGER

Risk of fatal injury from electrical current.

All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations as well as the valid KNX guidelines.



CAUTION

The device could be damaged.

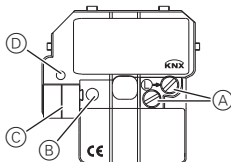
Only operate the device according to the specifications stated in the Technical data.

Getting to know the switch actuator

The switch actuator UP/230/16 (referred to below as the **actuator**) can switch one load via a floating make contact.

Mount the actuator in a wall or ceiling socket-outlet with a diameter of 60 mm and a depth of at least 40 mm. For ceiling mounting, the hook on which the luminaire is suspended can be screwed onto the ceiling socket-outlet through the centre hole in the actuator.

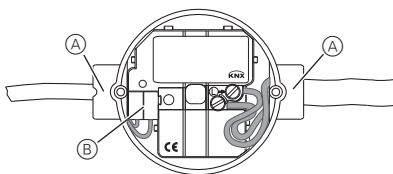
Connections, displays and operating elements



- (A) Connection of electrical loads, AC 230 V
- (B) Programming button
- (C) Bus connecting terminal
- (D) Programming LED (red)

Mounting the actuator

- ① Mount the actuator in a flush-mounted box at least 40 mm deep.



Use the opposite entry openings (A) of the installation box for the 230 V cable and the bus line. The actuator itself serves as a separating web.

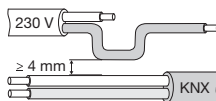
- ② Connect KNX (B). The sheath of the bus line must be cut back as short as possible at the bus terminal.



WARNING

Risk of fatal injury from electrical current. The device could become damaged.

Safety clearance must be guaranteed in accordance with IEC 60664-1. There must be at least 4 mm between the individual cores of the 230 V supply cable and the KNX line.

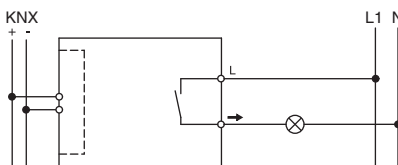


CAUTION

The device could be damaged.

If you are switching socket-outlets with the actuator, it is not possible to ensure that exclusively ohmic loads are connected. Fuse the circuit with 10 A.

- ③ Connect the load.



- ④ Connect the bus voltage.
- ⑤ Connect the load voltage.

Putting the actuator into operation

- ① Press the programming button. The programming LED lights up.
- ② Load the physical address and application into the device from the ETS.

The programming LED goes out.

The application was loaded successfully, the device is ready for operation.

Technical data

Power supply from bus:	DC 24 V/approx. 10 mA
Insulation voltage:	4 kV between bus and AC 230 V
Switch contacts:	1 x make contacts
Nominal voltage:	AC 230 V, 50 to 60 Hz
Nominal current:	16 A, ohmic load $\cos \varphi = 1$ 10 A, inductive load $\cos \varphi = 0.6$
Connected load	
Incandescent lamps:	AC 230 V, max. 2700 W with 20,000 switching cycles
Halogen lamps:	AC 230 V, max. 1700 W with 20,000 switching cycles
Fluorescent lamps:	AC 230 V, max. 1000 VA, parallel-compensated with 5,000 switching cycles
Capacitive load:	AC 230 V, 10 A max. 105 μF with 5,000 switching cycles
Fuse:	The switch contact must be protected by a series-connected circuit-breaker.
Switching frequency:	max. 10 per minute at nominal load
Ambient temperature	
Operation:	-5 °C to +45 °C
Storage:	-25 °C to +55 °C
Transport:	-25 °C to +70 °C
Environment:	can be used at up to 2000 m above sea level (MSL)
Operating element:	1 programming button
Display element:	1 red LED: programming check
Connections	
Bus:	via two 1 mm pins for bus connecting terminal
Outer conductor:	two screw terminals for max. 2.5 mm ²
EC guidelines:	Complies with Low-Voltage guideline 73/23/EEC; complies with EMC guideline 89/336/EEC
Dimensions:	51 x 52 x 29 mm (W x H x D)

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.