

MDT Switch Actuator AKS 1/2-fold, flush mounted

Version		
AKS-01UP.03	Switch Actuator 1-fold	Flush mounted, 230 V AC, 16 A
AKS-02UP.03	Switch Actuator 2-fold	Flush mounted, 230 V AC, 16 A

The MDT Switch Actuator AKS receives KNX/EIB telegrams and switches up to 2 independent electrical loads. Each output is switched via a bistable relay. The relays are designed for high inrush currents and are used for switching high loads (C-Load), for instance switching installed sockets.

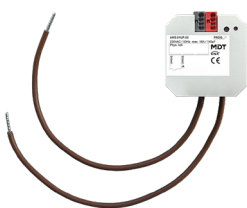
Each channel can be individually programmed through the ETS. Logical links, status feedback, block functions, central switching functions as well as comprehensive time functions such as switch-on/off delays and staircase lighting functions are available for selection. Scene functions are also available.

In the event of a bus voltage failure, all relays maintain their current position. The positions of the relays can be programmed individually for each channel for the event of a bus power failure or a return of the bus power.

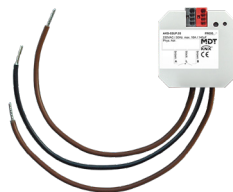
The MDT Switch Actuator AKS is for installation in an installation box. The installation must be conducted in dry indoor rooms.

For project design and commissioning of the MDT Switch Actuator AKS the ETS is a requirement. You will find the database on our website at www.mdt.de/Downloads.html

AKS-01UP.03



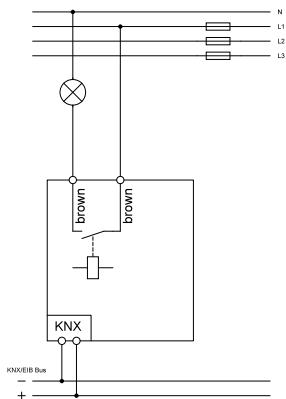
AKS-02UP.03



- Production in Germany, certified according to ISO 9001
- **Comprehensive application**
- NO and NC contact operation
- Extended status functions (inverted, cyclic, with block)
- Time functions (switch-on / switch-off delay)
- Extensive staircase light and impulse functions
- Extended logic and scene functions
- Threshold switch (Byte / 2 Byte / 2 Byte float)
- Hour meter for switching
- Priority / forced operation with automatic release time
- Quick application download (long frame support for ETS 5)
- Flush mounted in an installation box
- Dimension (W x H x D): 41 mm x 41 mm x 22 mm
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKS-01UP.03	AKS-02UP.03	
Number of outputs	1	2	
Maximum switching capacity			
Ohmic load	16 A	16 A	
Capacitive load	140 µF	140 µF	
Voltage	230 V AC	230 V AC	
Maximum inrush current	600 A / 150 µs 250 A / 600 µs	600 A / 150 µs 250 A / 600 µs	
Maximum load			
Incandescent lamps	2500 W	2500 W	
Halogen lamps 230 V	2500 W	2500 W	
Halogen lamps, electronic transformer	1500 W	1500 W	
Fluorescent lamps, not compensated	2300 W	2300 W	
Fluorescent lamps, parallel compensated	1500 W	1500 W	
Max. number of electronic ballasts	20	20	
Max. switching cycles	1.000.000	1.000.000	
Total current carrying capacity of the actuator	16 A	16 A	
Fuse protection	16 A	16 A	
Specification KNX interface	TP-256 with long frame support for ETS 5		
Available KNX database	from ETS 5/6	from ETS 5/6	
Max. wire cross-section			
KNX bus connector	Ø 0,8 mm, solid core	Ø 0,8 mm, solid core	
Power supply	KNX Bus	KNX Bus	
Power consumption KNX bus typ.	< 0,3 W	< 0,3 W	
Operation temperature range	0 ... 45 °C	0 ... 45 °C	
Enclosure	IP20	IP20	
Dimensions (W x H x D)	41 mm x 41 mm x 22 mm	41 mm x 41 mm x 22 mm	

Exemplary circuit diagram AKS-01UP.03



Exemplary circuit diagram AKS-02UP.03

