

MDT Switch Actuator 1/2-fold, flush mounted

Version		
AKK-01UP.03	Switch Actuator 1-fold	Flush mounted, 230 V AC, 16 A
AKK-02UP.03	Switch Actuator 2-fold	Flush mounted, 230 V AC, 10 A

The MDT Switch Actuator AKK receives KNX/EIB telegrams and switches up to 2 independent electrical loads . Each output uses relay (AKK-01UP.03: bistable relays, AKK-02UP.03: monostable relays). The outputs are set individually via ETS. The device provides extensive functions like logical operation, status response, block functions, central function, delay functions and staircase lighting function. Additionally the device provides several time and scene control.

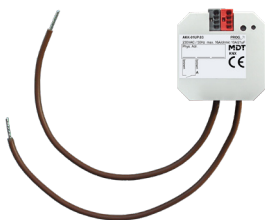
If the bus voltage fails, all outputs hold their current position. After bus voltage failure or recovery the relay position is selected in dependence on the settings (AKK-01UP.03).

If the mains voltage fails, all outputs were switched off. After mains voltage recovery the relay position will be restored. After bus voltage recovery the relay position is selected in dependence on the settings (AKK-02UP.03).

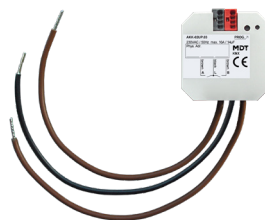
The MDT Switch Actuator AKK is available as flush mounted installation device for fixed installation in dry rooms.

For project design and commissioning of the MDT Switch Actuator AKK it is recommended to use the ETS. Please download the application software at www.mdt.de/downloads.html

AKK-01UP.03



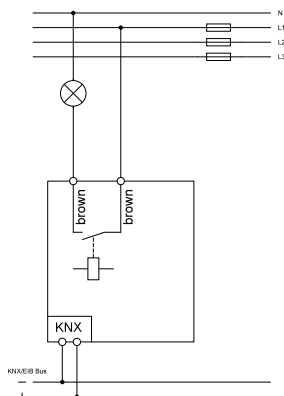
AKK-02UP.03



- Production in Germany, certified according to ISO 9001
- **Function extension**
- NO and NC contact operation
- Time functions (switch-on/switch-off delay)
- Extensive staircase light and impulse functions
- Status response (active/passive) for each channel
- Logical linking of binary data
- Extended scene functions for each channel
- Central switching functions and block functions
- Adjustable behavior in case of bus voltage failure (AKK-01UP.01 only)
- Adjustable behavior in case of bus voltage return
- Flush mounted in an installation box
- Dimensions (W x H x D): 41 mm x 41 mm x 22 mm
- Quick application download (long frame support for ETS 5)
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKK-01UP.03	AKK-02UP.03	
Number of outputs	1	2	
Output switching ratings			
Ohmic load	16 A	10 A	
Capacitive load	70 µF	70 µF at 10 A	
Voltage	230 V AC	230 V AC	
Maximum inrush current	300 A / 150 µs 150 A / 600 µs	150 A / 150 µs 50 A / 600 µs	
Maximum load			
Incandescent lamps	2000 W	1500 W	
Halogen lamps 230V	2000 W	1200 W	
Halogen lamps, electronic transformer	1200 W	500 W	
Fluorescent lamps, not compensated	1800 W	500 W	
Fluorescent lamps, parallel comp.	800 W	120 W	
Max. number of electronic transformers	10	2	
Output life expectancy (mechanical)	1.000.000	1.000.000	
Fuse protection	16 A	10 A	
Specification KNX interface	TP-256 with long frame support for ETS 5		
Available application software	from ETS 4	from ETS 4	
Permitted wire gauge			
KNX busconnection terminal	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 AKK-01UP.03



Exemplary circuit diagram AKK-02UP.03

