MDT Switch Actuator AKK

MDT Switch Actuator compact 2/4/8/16-fold, MDRC

Version		
AKK-0216.01	Switch Actuator 2-fold	2SU MDRC, 230VAC, 16A
AKK-0406.01	Switch Actuator 4-fold	2SU MDRC, 230VAC, 6A
AKK-0816.01	Switch Actuator 8-fold	4SU MDRC, 230VAC, 16A
AKK-0810.01	Switch Actuator 8-fold	4SU MDRC, 230VAC, 10A
AKK-1616.01	Switch Actuator 16-fold	8SU MDRC, 230VAC, 16A
AKK-1610.01	Switch Actuator 16-fold	8SU MDRC, 230VAC, 10A

The MDT Switch Actuator AKK receives KNX/EIB telegrams and switches up to 16 independent electrical loads . Each output uses a monostable relay and can be operated manually via a push button. The outputs are parameterized individually via ETS3f/4. 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 mains voltage fails, all outputs were switched off. After mains voltage recovery the relay position will be restored. After bus voltage failure or recovery the relay position is selected in dependence on the parameterization. The MRDC Switch Actuators use a common power supply terminal for four channels. This feature simplifies the wiring and increases clarity of the circuit.

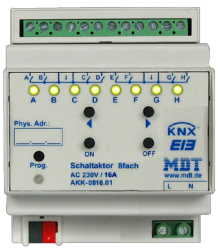
The MDT Switch Actuator AKK is a modular installation device for fixed installations in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT Switch Actuator AKK it is recommended to use the ETS3f/ETS4 or later. Please download the application software at www.mdt.de/downloads.html

AKK-0216.01

AKK-0406.01

AKK-0816.01



AKK-1616.01

- Production in Germany, certified according to ISO 9001
- Push Button and LED indicator for each channel
- NO and NC contact operation
- Status response after manually operation
- Time functions (switch-on/switch-off delay)
- Staircase light function with adjustable warning time
- Status response (active/passive) for each channel
- Logical linking of binary data
- 8 scenes per channel
- Central switching functions and block functions
- Programmable behavior in case of bus voltage failure or return
- Four contacts share one supply phase
- Integrated bus coupling unit
- 3 years warranty

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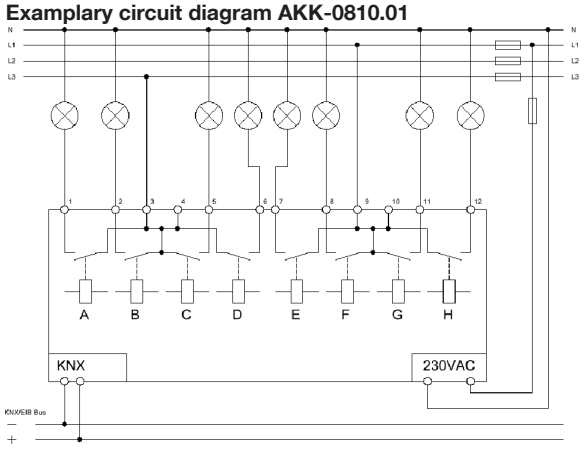
Stand: 1212

MDT Switch Actuator

Technical Data	AKK-02/08/1616.01			AKK-08/1610.01		AKK-0406.01
Number of outputs	2	8	16	8	16	4
Output switching ratings*						
Ohmic load	16A			10A**		6A**
Capacitive load	21uF at 10A			21uF at 10A		7uF at 3A
Voltage	230VAC			230VAC		230VAC
Maximum inrush current	80A/150µs 40A/600µs			80A/150µs 40A/600µs		30A/150µs 15A/600µs
Maximum load*						
Incandescent lamps	2300W			1900W		1000W
Halogen lamps 230V	2000W			1400W		800W
Halogen lamps, electronic transformer	800W			500W		300W
Fluorescent lamps, not compensated	800W			500W		300W
Fluorescent lamps, parallel comp.	180W			120W		60W
Max. number of electronic transformers	3			3		1
Output life expectancy (mechanical)	1.000.000			1.000.000		1.000.000
Permitted wire gauge						
Screw terminal	0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded			0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded		0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded
KNX busconnection terminal	0,8mm Ø, solid core			0,8mm Ø, solid core		0,8mm Ø, solid core
Power supply	KNX bus	230VAC/50Hz		230VAC/50Hz		KNX bus
Power consumption KNX bus***	< 0,3W	< 0,15W	< 0,15W	< 0,15W	< 0,15W	< 0,3W
Power consumption mains 230VAC***	--	0,5-2W	0,5-4W	0,5-2W	0,5-4W	--
Operation temperature range	0 to + 45°C			0 to + 45°C		0 to + 45°C
Enclosure	IP 20			IP 20		IP 20
Dimensions MDRC (Space Units)	2SU	4SU	8SU	4SU	8SU	2SU

* the total current of each supply terminal should not exceed maximum output switching current.
** not suitable to switch AC outlets
*** depends on the switching position of the output relays

Examplary circuit diagram AKK-0810.01



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