

MDT Switch Actuator 4/8/12/20-fold, MDRC

Version		
AKS-0416.02	Switch Actuator 4-fold	4SU MDRC, 230VAC, 16A, C-Load 140uF
AKS-0816.02	Switch Actuator 8-fold	6SU MDRC, 230VAC, 16A, C-Load 140uF
AKS-1216.02	Switch Actuator 12-fold	8SU MDRC, 230VAC, 16A, C-Load 140uF
AKS-2016.02	Switch Actuator 20-fold	12SU MDRC, 230VAC, 16A, C-Load 140uF

The new AKS series offers more channels at less space. so lower costs per channel.

The MDT Switch Actuator receives KNX/EIB telegrams and switches up to 20 independent electrical loads. Each output uses a bistable relay and can be operated manually via a push button. A green LED indicates the switching status of each channel.

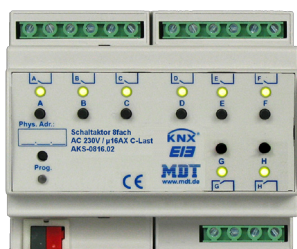
The outputs are parameterized individually via ETS3/4. The device provides extensive functions like logical operation, status response, block functions, central function, delay functions and staircase lighting function. Additionally the device provides several time and scene control. If the mains voltage fails, all outputs hold their current position. After bus voltage failure or recovery the relay position is selected in dependence on the parameterization.

The MDT Switch Actuator has separate power supply terminals for each channel and are very space saving by ideal form factor.

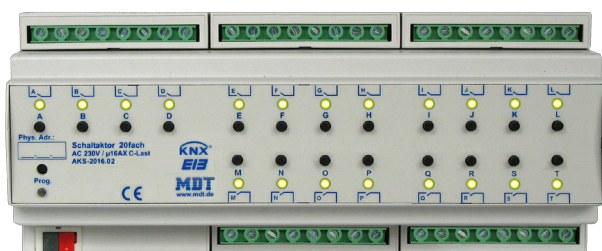
The MDT Switch Actuator is a modular installation device for fixed installation in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

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

AKS-0816.02



AKS-2016.02



- Production in Germany, certified according to ISO 9001
- Modern design
- Fully compatible to all KNX/EIB devices
- **Space saving by ideal form factor**
- Push Button and LED indicator for each channel
- NO and NC contact operation
- Time functions (switch-on/switch-off delay, staircase light function)
- 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
- **Each contact has an own supply phase**
- Power supply via KNX bus
- Modular installation device for DIN 35mm rails
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKS-0416.02 AKS-0816.02 AKS-1216.02 AKS-2016.02				
Number of outputs	4	8	12	20	
Output switching ratings					
Ohmic load	16A				
Capacitive load	max. 140uF at 16A				
Voltage	230VAC				
Maximum inrush current	600A/150µs 250A/600µs				
Maximum load					
Incandescent lamps	3000W				
Halogen lamps 230V	3000W				
Halogen lamps, electronic transformer*	1500W				
Fluorescent lamps, not compensated	2500W				
Fluorescent lamps, parallel comp.	1800W				
Max. number of electronic transformers	20				
Output life expectancy (mechanical)	1.000.000				
Max. fuse per channel	16A				
Max. total current of the actuator	64A	96A	128A	192A	
Permitted wire gauge					
Screw terminal	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded				
KNX busconnection terminal	0,8mm Ø, solid core				
Power supply	via KNX bus				
Power consumption	<0,3W	<0,3W	<0,4W	<0,5W	
Operation temperature range	0 to + 45°C				
Enclosure	IP 20				
Dimensions MDRC (Space Units)	4/6/8/12SU				

* low voltage halogen lamps with electronic transformer

Exemplary circuit diagram AKS-0816.02

