MDT Switch Actuator MDRC 4-fold/ 8-fold with current measurement

Version		
AMS-0416.01	Switch Actuator 4-fold	4TE MDRC, 230VAC, 16A, C-Load 100uF, with current measurement
AMI-0416.01	Switch Actuator 4-fold	4TE MDRC, 230VAC, 16A, C-Load 200uF, with current measurement
AMS-0816.01	Switch Actuator 8-fold	8TE MDRC, 230VAC, 16A, C-Load 100uF, with current measurement
AMI-0816.01	Switch Actuator 8-fold	8TE MDRC, 230VAC, 16A, C-Load 200uF, with current measurement

The MDT Switch Actuators receive KNX/EIB telegrams and switch up to 8 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.

The Switch Actuator offers current measurement for each channel and measurement of the total current. In dependence on the parameterization the measured data can be transmit in different data formats (mA/A/kW) onto the KNX bus. Additionally the device provides an hour meter and a service interval meter.

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 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. The Actuators has separate power supply terminals for each channel.

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

AMS/AMI-04xx.01

AMS/AMI-08xx.01

- production in Germany, certified according to ISO 9001
- modern design
- fully compatible to all KNX/EIB devices
- Push Button and LED indicator for each channel
- NO and NC contact operation
- current measurement for each channel or total
- different data formats (mA/A/kW)
- hour and service interval meter
- Time functions (swich-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
- Modular installation device for DIN 35mm rails
- Integrated bus coupling unit
- 3 years warranty

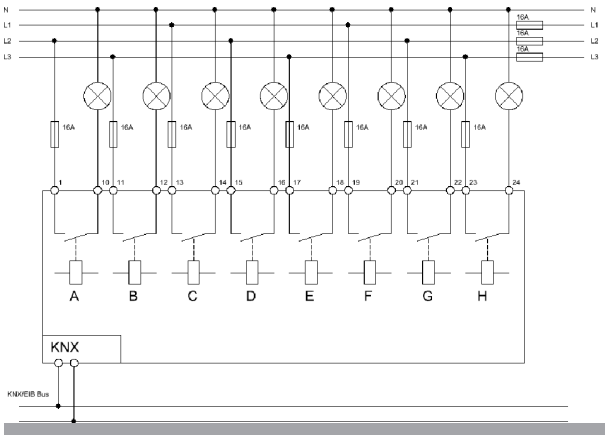
MDT Switch Actuators AMS/AMI

Technical Data	AMS-0416.01 AMS-0816.01	AMI-0416.01 AMI-0816.01
Configuration		
Version	Standard	C-Load
Number of outputs	4/8	4/8
Power supply		
Supply voltage	via Bus	via Bus
Output voltage	230VAC	230VAC
Power consumption	<0,3/0,5W *	<0,3/0,5W *
Strommeßbereich	20mA - 16A	20mA - 16A
Output switching current		
Ohmic load	16A	16A
capacitive load	16A, max. 100uF	16A, max. 200uF
Maximum inrush current	400A/150µs - 200A/600µs	600A/150µs - 300A/600µs
Maximum load		
Incandescent lamps	2700W	3680W
Halogen lamps 230V	2500W	3680W
Halogen lamps, electronic transformer**	1000W	2000W
Fluorescent lamps, not compensated	1800W	3680W
Fluorescent lamps, parallel comp.	1000W	2500W
max. number of electronic transformers	14	28
Output life expectancy (mechanical)	1.000.000	1.000.000
max. fuse per channel	16A	16A
permitted wire gauge		
Screw terminal	2,5mm²	2,5mm²
KNX busconnection terminal	0,8mm²	0,8mm²
Operation temperature range	0 to + 45°C	0 to + 45°C
Enclosure	IP 20	IP 20
Dimensions MDRC	4/8 TE	4/8TE

* 4-fold version <0,3W, 8-fold version <0,5W

** low voltage halogen lamps with electronic transformer

Examplary circuit diagram AMS/AMI-0816.01



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TAW Cert
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