Product data sheet
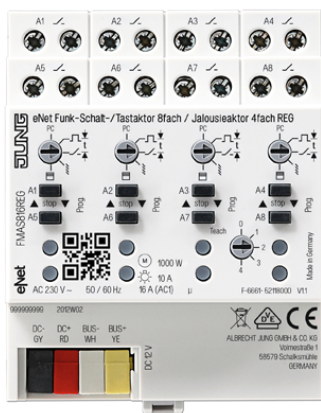
eNet radio switch/push-button actuator 8-gang / blinds actuator 4-gang, for rail mounting

Reference number
FM AS 816 REG

eNet radio switch/push-button actuator 8-gang / blinds actuator 4-gang, for rail mounting

Rail mounting device, 4 rail units
New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

Intended use

- Switching of lighting
- Switching of single-phase fan motors
- Controlling electrically driven blinds, shutters and awnings
- Operation with suitable eNet radio transmitters
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Installation in distribution boxes on DIN rail according to EN 60715

Product characteristics

- Operating mode switch for switch-over of switch actuator, push-button actuator, blind actuator, shutter actuator or configuration via eNet server
- Status feedback to radio transmitter
- Scene operation possible
- Outputs switchable with **Prog** button
- Status indication of the outputs via LED

Switching operation:

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

Push-button operation:

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

Operating mode "Venetian blind/Rolling shutter":

- Positioning of the blind and slats via scene recall
- Position for sun protection and twilight can be saved
- Blind/shutter running time can be saved
- Slat change-over time can be saved
- Fabric-stretching for awnings

Can be set with eNet server in switching/push-button operation:

- Operating mode for each output can be set separately
- Flash function
- Run-on time

- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

Can be set in the operating mode "Venetian blind/Rolling shutter" with eNet server:

- Change-over time for direction change
- Running direction invertible
- Operating locks
- Position for sun protection, twilight, lock-out protection and wind alarm

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	−5 ... +45 °C
Switching voltage:	AC 250 V ~
Minimum actuation time in operating mode	
Blind:	0.1 s
Shutter:	0.3 s
Running time:	1 ... 600 s
Running time default setting:	120 s
Slat adjusting time:	0 ... 10 s
Switching current per output for AC 230 V ~	
Ohmic:	16 A (AC1)
For switching current > 10 A connecting cable 2.5 mm²	
Fluorescent lamps:	4 AX
Switching current neighbouring load outputs:	20 A
Current carrying capacity of device:	max. 80 A
Contact type:	μ
Stand-by power:	max. 0.5 W
Connected load per output	
Motors:	1000 W
Incandescent lamps:	2300 W
HV halogen lamps:	2000 W
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
HV LED lamps:	typical 500 W
Compact fluorescent lamps:	typical 500 W
Fluorescent lamps non-compensated:	920 VA
Capacitive load:	690 VA (560 μF)
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm²
stranded without ferrule:	1 x 0.75 ... 4 mm²

stranded with ferrule:	1 x 0.5 ... 2.5 mm²
Mounting width:	72 mm (4 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	60 mA
Connection bus:	terminal
Cable length:	max. 3 m

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