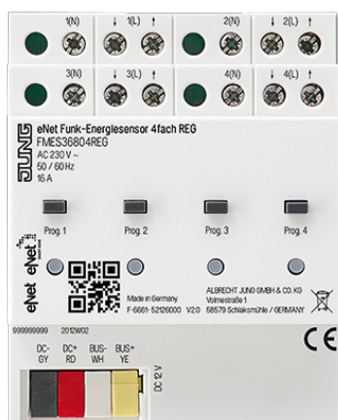


Product data sheet

eNet radio energy detector 4-gang, for rail mounting



Reference number

FM ES 36804 REG

eNet radio energy detector 4-gang, for rail mounting

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

Intended use

- Energy sensor to determine energy values
- Sensor for load-dependent control of eNet actuators with eNet server
- Transfer of the measured values to the eNet server
- 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

- Separate calculation of the active power and the active power for each measuring channel
- Event or time-controlled transmission of measured value telegrams to the eNet server
- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software

Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Rated load current:	16 A
Peak current (1 s):	80 A
Peak current (1 min):	24 A
Power consumption per channel:	225 mW
Ambient temperature:	-5 ... +45 °C
Transmission interval:	1 ... 60 min
Connection of load terminals:	screw terminals
single wire:	1 x 1.5 ... 4 mm ²
stranded without ferrule:	1 x 0.75 ... 4 mm ²
stranded with ferrule:	1 x 0.5 ... 2.5 mm ²
Mounting width:	72 mm (4 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m
Measuring ranges per channel	
Current:	0 mA ... 16 A
Accuracy (current):	± 0.5 % of the current value and ± 8 mA
Voltage:	207 ... 250 V
Accuracy (voltage):	± 0.5 % of the current value
Transmitted power and energy values	
Active power:	-4,000 ... 4,000 W
Apparent power:	0 ... 4000 VA

Reactive power:	-4,000 ... 4,000 var
Accuracy (power):	± 0.5 % of the current value and ± 2 W/VA/ var
Active energy:	-99,999 ... 99,999 kWh

