JUNG

Product data sheet

eNet radio energy detector in SCHUKO housing

Reference number
FM ES 3680 ZS

eNet radio energy detector in SCHUKO housing

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

Intended use

- Energy sensor for radio transmission of energy values
- Sensor for load-dependent control of eNet actuators with eNet server
- Operation with eNet server
- Indoor mounting in SCHUKO® socket or socket with ground pin

Product characteristics

- Calculation of the active power and the active energy
- 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:	max. 0.5 W
Transmission interval:	1 ... 60 min
Ambient temperature:	−5 ... +45 °C
Dimensions (W x H x D):	57 x 127 x 78 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2
Measuring ranges	
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

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