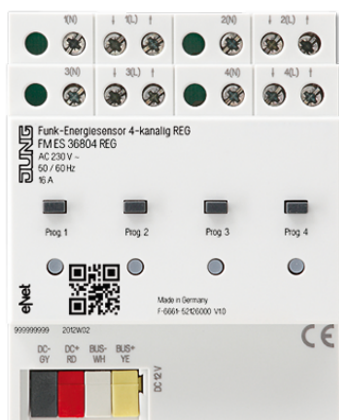


Product data sheet



eNet radio energy detector 4-gang, for rail mounting



Reference number

FM ES 36804 REG

eNet radio energy detector 4-gang, for rail mounting

Intended use

- Energy sensor to determine voltage, current and energy values
- 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 DIN EN 60715

Product characteristics

- Detection of the current and voltage of four separate circuits
- Separate calculation of the active, reactive, apparent power and the active energy for each measuring channel
- Event or time-controlled transmission of measured value telegrams to the eNet server
- 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: | 1.5 ... 4 mm ² |
| stranded without ferrule: | 0.75 ... 4 mm ² |
| stranded with ferrule: | 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): | $\pm 0.5\%$ of the current value and ± 8 mA |
| Voltage: | 207 ... 250 V |
| Accuracy (voltage): | $\pm 0.5\%$ of the current value |
| Transmitted power and energy values | |
| Active power: | -4000 ... 4000 W |
| Apparent power: | 0 ... 4000 VA |
| Reactive power: | -4000 ... 4000 var |
| Accuracy (power): | $\pm 0.5\%$ of the current value and ± 2 W/VA/ var |
| Active energy: | -99999 ... 99999 kWh |