RM10

Rail Mounted kWh Meter
Single Phase 40 Amp Direct Connected

Dimensions:

Wiring diagram:

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INSTRUCTIONS

Safety

- Follow the instructions to ensure safe installation and operation.

- The unit should be installed by a qualified person.

Installation

- Check that the cables for the installation are isolated from all sources of power before connecting.

- Carefully follow the wiring diagram.

- Never install or connect the unit if it has been damaged.

- All connections and cables must be rated for continuous operation at the maximum voltage, current and temperature.

- The meter should be securely mounted by snapping onto 35mm symmetrical DIN rail.

- The meter does not require any maintenance if it installed and operated correctly.

SPECIFICATIONS

- **Rated voltage:**
  230V ac (±15%)
  57 - 260V ac to order

- **Rated current:**
  10 (40) A

- **Consumption:**
  - current circuit: max. 0.2VA
  - voltage circuit: max. 0.2W

- **Accuracy:**
  Class 2 to EN61036
  (Class 1 optional)

- **Counter:**
  99999.99 kWh (no zero reset)

- **Indicator LED's:**
  Red flashing LED: active consumption

- **Pulse output (optional):**
  100 pulses per kWh
  Transistor: 24V 40mA DC, 275ms

- **Operating temperature range:**
  0 to +50°C

- **Protection class:**
  IP 40 (terminals: IP 22)

- **Isolation:**
  2.3kV$_{eff}$ 50Hz 1min

- **Terminals:**
  M4 screws, max. 6mm^2 cable

- **Case:**
  DIN 43880, 2.5 modules

- **Weight:**
  0.15kg

- **Mounting:**
  snap-on fixing to 35mm DIN rails