

Energy meter - taxxo E 45-1-MID

Item No 05.25.0002.1 / EAN Code 4010940044091



PRODUCT DESCRIPTION

The taxxo E 45-1-MID is a digital single-phase meter. With only one module width, the device provides the easiest and least expensive method for billable counting of energy consumption. The taxxo E 45-1-MID has a high resolution display with two decimal places on which the energy consumption is displayed.

- ▶ High accuracy and maximum reliability through MID certification for custody transfer
- ▶ Optimal tamper protection through sealable housing
- ▶ Indication of the system state through the systemstate and radio signal strength LEDs

APPLICATIONS

- ▶ Electrical energy consumption measurement
- ▶ Electrical heating facilities
- ▶ Installation in industrial and switching facilities
- ▶ Office complexes
- ▶ Camping and gardening facilities
- ▶ Separate areas, e.g. in apartment buildings
- ▶ Charging stations for electric cars
- ▶ Shopping centres
- ▶ Exhibition halls
- ▶ Marinas

TECHNICAL DATA

| Electrical Data | |
|--|---|
| Interface | S0 |
| Supply voltage | AC 230 V ± 20 % 50 Hz ± 10 % |
| Phase | 1 |
| Withstand voltage at mains frequency | 4 kV |
| Rated impulse withstand voltage (Uimp) | 6 kV |
| Impulse voltage | DC 12 - 27 V |
| Base current (Ib) | 5 A |
| Initial current | 0.004 Ib |
| Maximum current (Imax) | 45 A |
| Minimum current (Imin) | 0,25 A |
| Impulse current | 27 mA |
| Impulse | 1,000 Impulse/kWh |
| Impulse duration | 90 ms |
| Power consumption | 8 VA |
| Power loss | 0,4 W |
| Accuracy class | B (MID) |
| Power connection | |
| Device | Latching screw with wire protection 4 mm ² ... 6 mm ² |
| Cable length | 20 m |
| Communication method | |
| Wired | 2-wire |
| Status indicator | LED |
| Operating specifications | |
| Tempering protection | Lead-sealable |
| Display and format | |
| Consumption indicator | Digital (7 digits) kWh |
| Status indicator | Pulse indicator (LED) Sensor status indicator |

Operating conditions

Temperature (operation) -25 °C ... +55 °C

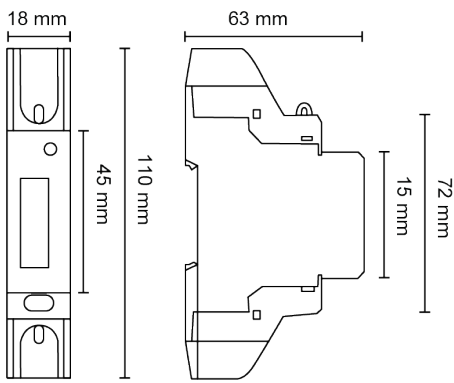
General specifications

| | |
|-------------------|--------------------|
| Number of modules | 1 |
| Colour | Grey |
| Dimension | 118 x 17,5 x 63 mm |
| Mounting | DIN rail |

Compliance with standards

| | |
|--------------------------|---|
| Protection type | IP51 |
| Protection class | II, according to corresponding mounting |
| Approval mark | CE, MID |
| Standards and guidelines | DIN 43684, EN 50470-1, EN 50470-3 |

DIMENSIONAL DRAWINGS



CIRCUIT DIAGRAMS

