

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
- ▶ Signalling of system status via 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 \pm 20 % 50 Hz \pm 10 %
Phase	1
Withstand voltage at mains frequency	4 kV
Rated impulse withstand voltage (Uimp)	6 kV
Impulse voltage	DC 12 - 27 V
###	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
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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
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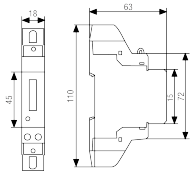
General specifications

Number of modules	1
Colour	Gray
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

