004-0367

Energy meter

Bidirectional meter with display

Application

Can be used at the node, to read out the PV yield or as a meter for individual consumers

Bidirectional meter for measuring, transmitting and displaying electrical parameters.

The energy meter 004-0367 is suitable for direct measurement of the three outer conductors up to a maximum of 100A and a maximum cross-section of 25mm².

Single-phase systems can also be measured, for which terminals "A" and "N" are to be used.

This bidirectional meter measures the power consumption and power supply.

The energy meter can be optimally used to determine and evaluate the self-consumption of self-generated electricity.

Values such as voltage, energy, active and reactive power and the total current can be shown on the display.

Certification: DIN EN 50470-1/3:2020

Connection

The measured values can be read out via an RS 485 interface using the Modbus protocol.

These measured values enable the **ASKO***SET*+ to control and regulate the **ASKO***HEAT*+ devices.

The energy meter offers accuracy class **B**

Types

004-0367

Direct detection up to max. 100A / 25mm²

Technical data

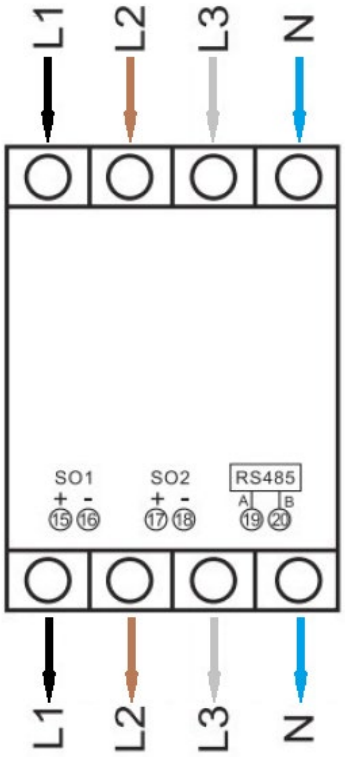
3-phase direct measurement

Operating voltage:	3x230V /400V
Maximum current per phase:	0,25-5(30)A,0,25-5(32)A,0,25-5(40)A,0,25-5(45)A, 0,25-5(50)A,0,25-5(60)A, 0,5-10(80)A,0,25-5(100)A
Operating frequency AC:	50-60Hz
Own consumption per phase:	1W / 12VA
Operating temperatur:	-40°C up to +70°C
Surge resistance:	AC 2kV for 1 minute / 4kV / impulse 1.2/50µsec
Max. conductor cross-section:	25mm²
Accuracy class:	Class B
Protection of the housing:	IP51 (only inside)
Maximum humidity:	≤75% (not condensing)
LCD display:	LCD 6+2 = 999999.99kWh

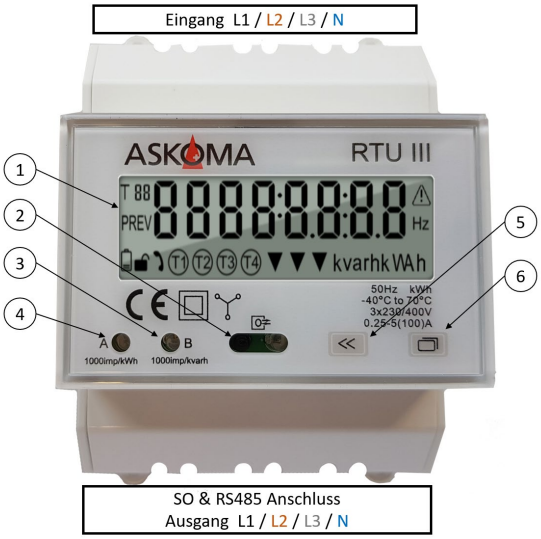
Connection & Description

004-0367

Direct acquisition up to max. 100A / 25mm²



15	SO1 Impulse +
16	SO1 Impulse -
17	SO2 Impulse +
18	SO2 Impulse -
19	Modbus A
20	Modbus B



1	LCD display
2	IR sensor
3	Impulse indicator for active energy
4	Impulse indicator for image energy
5	Button for calling up the setting page & setting the setting parameters
6	Set button for settings

Dimension drawing