



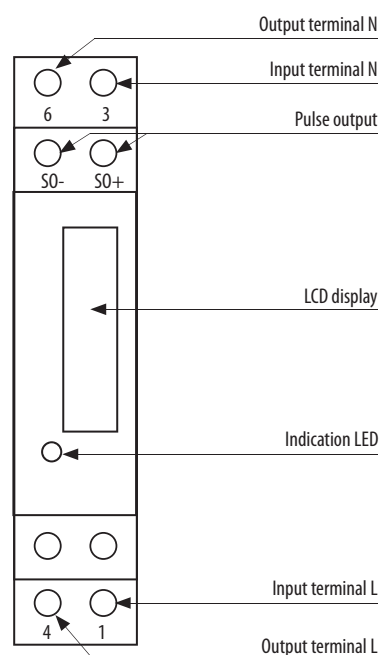
NEW!

- Simple measuring of consumption of 1-phase circuits.
- Display of the total consumption of electricity in kWh with the help of a 5-numerical + 2-decimal place (7-digit) LCD.
- Information on the presence of voltage in the measured phase is indicated by the blue LED.
- Information about the opposite direction of the measured current (reverse direction of current) is indicated by periodic message HELP 1 appearing on the LCD display.
- Indication of correct direction of current, which has already exceeded the minimum measured value (starting current) is provided by red flashing of the blue illuminated LED.
- The front panel display is used for direct reading of this product. A specific impulse output is used for remote measuring.

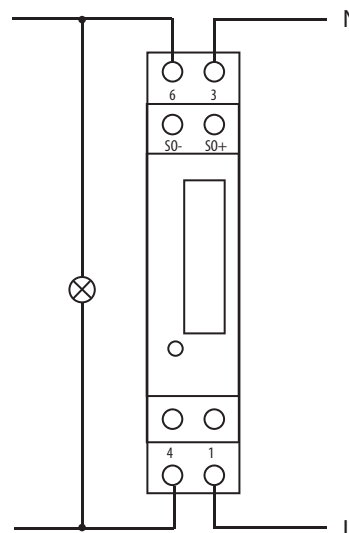
EAN code
PM-1 : 8595188174053

Technical parameters	PM-1
Voltage:	230 V AC
Voltage tolerance:	-20% up to + 15%
Burden:	< 2 W, < 10 VA
Basic current (Ib):	5 A
Maximum current of current circuits (Imax)/ recommended ballast (end) protection:	50 A / compact breaker with characteristic C or fuse gL/gG
Starting current:	20 mA
Frequency:	50 Hz +/-10%
Accuracy class:	Class 1
Working temperature:	-20°C up to 55°C (-4 up to 131°F)
Storage temperature:	-30°C up to 75°C (-22 up to 168°F)
Safety	
Level of protection provided by cover:	IP 20 terminals / IP 40 front panel
Insulation of front cover from internal circuits:	4 kV / 60 s sin.
Insulation of impulse output from internal circuits:	2 kV / 60 s sin.
Pulse output	
External voltage:	+27 VDC
Maximum current:	40 mA
Length of pulse:	100 ms
Frequency of pulses:	2000 imp / kWh
Other information	
Display:	LCD - 5 places + 2 decimal places, digits 5 mm
Device weight:	80 g (35.2 oz.)
Dimensions:	90 x 18 x 67 mm (3.54 x 0.7 x 2.63")
Design:	1 - MODUL
Maximum cross section of wires for terminals of current circuits / max. torque:	10 mm ² / max. 1.2 Nm (AWG 8)
Maximum cross section of wires for terminals of impulse output / max. torque:	2.5 mm ² / max. 0.4 Nm (AWG 6)

Description



Connection



Impulse output

The device is equipped with an impulse output on terminals SO+ and SO-, which generates impulses proportionately according to the measured electricity. This output is used for remotely measuring electricity consumption. This impulse output is galvanically separated (by optocoupler) from internal circuits and is therefore potential-free. For correct function, it is therefore necessary to connect to the terminal SO+ supply voltage +27 VDC (anode). The pulse signal can then be read on the terminal SO-. The specification is 2000 imp / kWh.