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Eltako ELECTRONICS

Single-phase energy meter WSZ15DE-32 A without MID

CE

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-25°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Maximum current 32 A. Standby loss 0.4 watt only.

Modular device for DIN-EN 60715 TH35 rail mounting.
1 module = 18 mm wide and 58 mm deep.

Accuracy class B (1%). With S0 interface.

This single-phase energy meter measures active energy by means of the current between input and output. The internal power consumption of 0.4 watt active power is neither metered nor indicated. Like all meters without declaration of conformity (e.g. MID), this meter is not permitted for billing.

Every 30 seconds, the display switches for 5 seconds from the accumulated active energy in kWh to the momentary consumption in watts.

1 phase conductor with a max. current up to 32 A can be connected.

If the anticipated load exceeds 50%, maintain an air gap of ½ pitch unit to the devices mounted adjacently.
If necessary, use spacer DS12.

The inrush current is 20 mA.

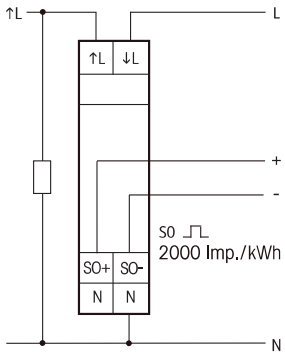
The display can only be read when the power supply is on. However, the consumption is saved to a non-volatile memory and is displayed immediately after power restoration.

Two N terminals for secure cross wiring of several counters.

The digital display has 7 digits. Two decimal places are indicated up to 99999.99 kWh. Above 100000.0 kWh there is only one decimal place.
Power consumption is shown by a bar flashing at a rate of 1000 times per kWh.

Error message
In case of a wrong connection, a LED is blinking on the display.

Typical connection



Technical Data

Rated voltage Extended range	230 V, 50 Hz, -20%/+15%
Reference current I_{ref} (Limiting current I_{max})	5(32) A
Internal consumption Active power	0.4 W
Display active power	LC display 7 digits, therefrom 1 or 2 digits after the decimal point
Accuracy class ±1%	B
Inrush current according to accuracy class B	20 mA
Operating temperature	-25/+55°C
Interface	potential free by opto-coupler, max. 30 V DC/20 mA and min. 5 V DC, Pulse interface S0 according to DIN EN 62053-31, impedance 100 ohms, pulse length 30 ms, 2000 Imp./kWh
Protection degree	IP50 for mounting in distribution cabines with protection class IP51
Maximum conductor cross section[1)]	L terminals 16 mm² N and S0 terminals 6 mm²
Recommended torque[2)] L terminals N and S0 terminals	 1,5 Nm (max. 2,0 Nm) 0,8 Nm (max. 1,2Nm)
Mechanical environmental conditions	class M1
Electromagnetic environmental conditions	class E2

[1)] The carrying capacity of cables and wires is defined in DIN VDE 0298-4.

[2)] The torques for screw terminals are mentioned in DIN EN 60999-1.
To avoid damages at the energy meter, the recommended torque values for each terminal must not be exceeded!!

Must be kept for later use!
We recommend the housing for operating instructions GBA12.

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