

Single-phase energy meter **CE**
WSZ12DE-32 A without approval

Maximum current 32 A. Standby loss 0.5 watt only.

Modular device for DIN-EN 60715 TH35 rail mounting.
1 module = 18mm wide and 58mm 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 0.5 watt active power is neither metered nor indicated. Like all meters without approval (e.g. MID), this meter is not permitted for billing.

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

1 phase conductor with a max. current up to 32 A can be connected.
The inrush current is 20 mA.

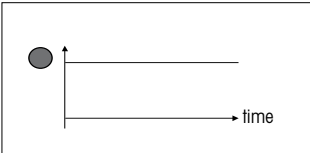
The display can only be read when the power supply is on. However, the consumption is saved to a non-volatile memory and is displayed immediately after power restoration.

Two N terminals for secure cross wiring of several counters.

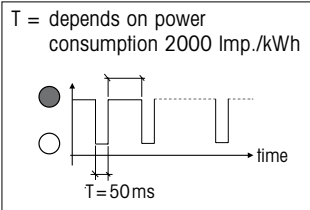
The flashing decimal point is dependent on power consumption and indicates that power is being consumed. If the connection is incorrectly wired, the display shows the message 'false'.

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. Assuming the maximum theoretical power consumption, the display would have a service life of more than 15 years.

The power consumption is displayed with a decimal point.

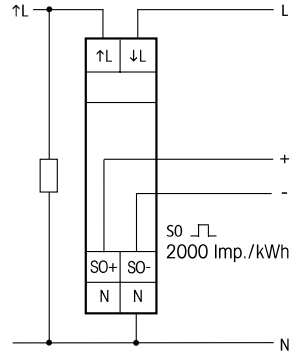


Energy meter connected, no power consumption



Energy meter correctly connected, with power consumption

Typical connection



Technical Data

Rated voltage	230V, 50Hz,
Extended range	-20%/+15%
Reference current I_{ref} (Limiting current I_{max})	5(32)A
Internal consumption	0.5 W
Active power	
Display active power	LC display
Accuracy class $\pm 1\%$	B
Inrush current according to accuracy class B	20 mA
Operating temperature	-10/+55°C
Interface	Pulse interface S0 according to DIN EN 62053-31, potential free by opto-coupler, max. 30V DC/20 mA and min. 5V DC, impedance 100 ohms, pulse length 50 ms, 2000 Imp./kWh
Terminal cover sealable	With sealing cap PK18. For the current path 1 sealing cap is required
Protection degree	IP50 for mounting in distribution cabinets with protection class IP51
Maximum conductor cross section	6 mm ²

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.