

Single-phase energy meter **CE**
WSZ12DE-65A without approval

Maximum current 65A. 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 energy in kWh to the momentary consumption in watts.

1 phase conductor with a max. current up to 65A can be connected.

The inrush current is 40mA.

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.

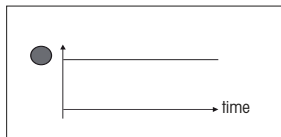
Two N terminals for secure cross wiring of several counters.

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'.

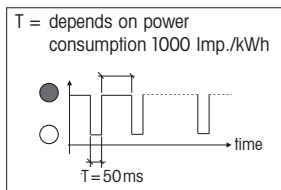
The digital display has 7 digits. Two decimal places are indicated up to 99999.99 kWh.

Above 100000.0 kWh there is only one decimal place.

The power consumption is displayed with a decimal point.

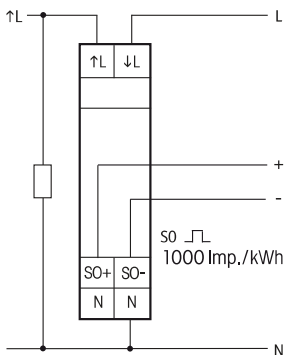


Energy meter connected, no power consumption



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})	10(65)A
Internal consumption Active power	0.5W
Display active power	LC display 7 digits, therefrom 1 or 2 digits after the decimal point
Accuracy class $\pm 1\%$	B
Inrush current according to accuracy class B	40mA
Operating temperature	-10/+55°C
Interface	Pulse interface S0 according to DIN EN 62053-31, potential free by opto-coupler, max. 30V DC/20mA and min. 5V DC, impedance 100 ohms, pulse length 50ms, 1000 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 cabins with protection class IP51
Maximum conductor cross section	L terminals 16 mm ² N and S0 terminals 6 mm ²

Important Note!

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