

# Single-phase Energy Meter WSZ12B-32A with MID approval



## Maximum current 32A. Standby loss 0.3 watt only.

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

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

It measures active energy by means of the current between input and output. The internal power consumption of 0.3 watt active power is neither metered nor indicated.

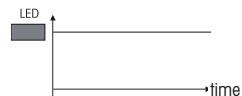
1 phase conductor with a max. current up to 32A can be connected.

The inrush current is 20mA. The meter can be read anytime without power supply.

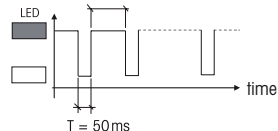
Two N terminals for secure cross wiring of several counters.

## A red LED indicates a power consumption or a wrong connection:

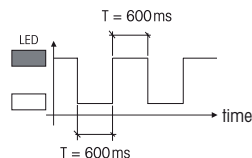
T = depends on power consumption  
2000 Imp./kWh



Energy meter connected,  
no power consumption



Energy meter correctly connected,  
with power consumption



Energy meter wrongly  
connected, (1L-1L vice-  
versa connected), with or  
without power consumption

## Technical Data

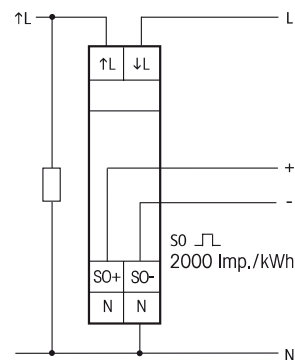
Rated voltage, extended range	230V, 50Hz, -20%/+15%
Reference current $I_{ref}$ (Limiting current $I_{max}$ )	5 (32) A
Internal consumption active power	0.3 W
Reading active power	Drum type register with 6 digits for kWh and 1 decimal digit
Accuracy class $\pm 1\%$	B
Inrush current according to accuracy class B	20mA
Ambient temperature limits	-25/+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, 2000 Imp./kWh.

Protection degree IP50 for mounting in distribution cabins with protection class IP51

Maximum conductor cross section 6 mm<sup>2</sup>

EC type examination certificate CH-MI003-07002-00

## Typical connection



## EC DECLARATION OF CONFORMITY

File name FQKZ002

Product **Single-phase energy meter with MID approval**

Type designation **WSZ12B-32A**

EC type CH-MI003-07002-00

examination certificate

**Eltako GmbH, D - 70736 Fellbach, herewith declares, on their own responsibility that the energy meter which this certificate refers to, is in accordance with the following standards:**

EN 50470 parts 1 and 2 (electromechanical meters)

EN 50470 parts 1 and 3: October 2006 (electronic meters)

Directive 2004/22/EG of the European parliament and of the Council on measuring instruments

- Annex I, essential requirements
- Annex MI-003, active electrical energy meters

Conformity Certification body METAS-Cert, no. 1259

assessment body CH-3003 Bern-Wabern

Issuer Eltako GmbH

Hofener Straße 54, D-70736 Fellbach

Place, Date Fellbach, 31. December 2008

signed Ulrich Ziegler, General Manager

## Important reminder!

**This electrical equipment may only be installed by skilled electricians otherwise fire hazard or danger of electric shock exists!**