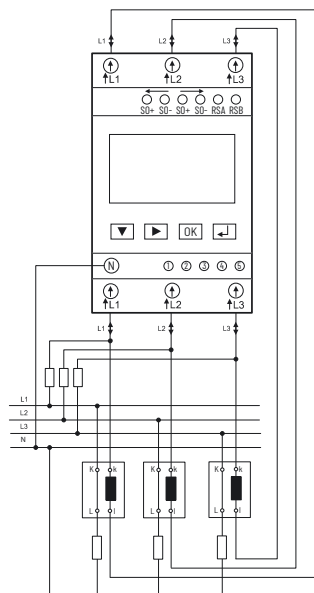




Typical connection



Manuals and documents in further languages:
https://eltako.com/redirect/DSZ16WDZ-3x5A_MID

Technical data page 10-36.

DSZ16WDZ-3x5A MID



CT operated bidirectional three-phase energy meter with settable CT ratio, Modbus and S0 interface. MID-compliant and therefore approved for use for billing purposes. Can be combined with various Modbus gateways, such as the ZGW16WL-IP, for data evaluation and forwarding via various protocols. Standby loss 0.8 W per path only.

Modular device for DIN-EN 60715 TH35 rail mounting.

3 modules (54 mm wide), 58 mm deep. Terminals cover is sealable. Accuracy class B (1%).

The inrush current is 40 mA per path.

Approved for billing purposes.

Measurement functions and measured values:

- Voltage, current, active power, apparent power, reactive power, power factor, frequency
- 4 tariff meters and total meter for active power
- Connection of 1, 2, or 3 external conductors possible
- Summative energy measurement
- Measurement value update every 100 ms
- Maximum current 6 A/Reference current 5 A

Display and operation:

- Automatic display change every 5 seconds (consumption → / delivery ←)
- Voltages: L1-N, L2-N, L3-N, L1-L2, L2-L3, L3-L1
- Currents: L1, L2, L3, N
- Active power per phase and total
- Frequency
- Total consumption and delivery
- Display of the current tariff (T1-T4)
- Resettable meter readings for total and tariff values (consumption and delivery)
- Display also during power outage (twice within 14 days)
- LED display (10 pulses/kWh)
- PIN protection for settings
- Reset to factory settings possible (PIN, S0, Modbus)

Communication:

- Modbus RTU (RS485):
 - Adresse 1-247 (Default: 1)
 - Baud rate: 300-115200 (Default: 9600)
 - Parity: None, Odd, Even (Default: None)
 - Stop bits: 1, 2 (Default: 1)
- Modbus register table available on the product page

S0 output:

- Pulse rate: 0,01 to 10.000 pulses/kWh (Default: 1.000 pulses/kWh)
- Pulse width: 2-99 ms (Default: 30 ms)

Adjustable converter ratios:

(Default: 5:5)

- 5:5; 50:5; 100:5; 150:5; 200:5; 250:5; 300:5; 400:5; 500:5; 600:5; 750:5; 1000:5; 1250:5; 1500:5;
- 5:1; 50:1; 100:1; 150:1; 200:1; 250:1; 300:1; 400:1; 500:1; 600:1; 750:1; 1000:1; 1250:1; 1500:1

DSZ16WDZ-3x5A MID	CT operated bidirectional three-phase energy meter	Art. No. 28305017	212,00 €/pc.
accessory: ZGW16WL-IP	Modbus energy meter MQTT Gateway via WLAN and LAN; MQTT, REST-API, Modbus TCP	Art. No. 22016001	136,22 €/pc.