

DSZ16DZ-3x100A MID

NEW MID

Bidirectional three-phase meter 3x100 A with Modbus and S0 interfaces. 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
- Measurement direction reversible (via display and Modbus)
- Summative energy measurement
- Measurement value update every 100 ms
- Maximum current 100 A/Reference current 10 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 (100 pulses/kWh)
- PIN protection for settings
- Reset to factory settings possible (PIN, S0, Modbus)

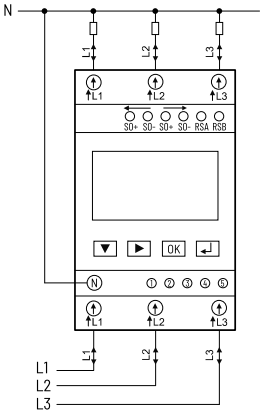
Communication:

- Modbus RTU (RS485):
  - Address 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 outputs (consumption → / delivery ←):

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

Typical connection



Manuals and documents in further languages:
https://eltako.com/redirect/DSZ-16DZ-3*100A_MID

Technical data page 10-32.

DSZ16DZ-3x100A MID	Bidirectional three-phase meter, MID	**Art. No. 28380316**	**180,20 €/pc.**
accessory: ZGW16WL-IP	Modbus energy meter MQTT Gateway via WLAN and LAN; MQTT, REST-API, Modbus TCP	**Art. No. 22016001**	**136,22 €/pc.**

Recommended retail prices excluding VAT.