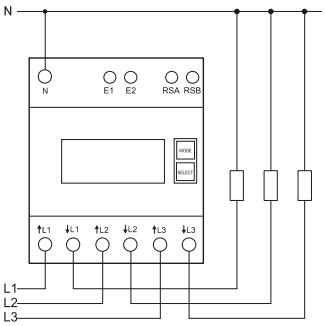


**Typical connection**
4-wire-connection 3x230/400 V




Further settings can be made using the PC Tool PCT14 (see page 1-5).

**Manuals and documents in further languages:**
https://eltako.com/redirect/DSZ14DRS-3*80A_MID

*Housing for operating instructions GBA14 page 1-48.*
*Technical data page 10-34.*

# DSZ14DRS-3x80A MID

MID

**RS485 bus three-phase energy meter. MID-compliant and therefore approved for use for billing purposes. Maximum current 3 x 80 A. Standby loss 0.8 W at L1 and only 0.5 W at L2 and L3 each.**

Modulair device for DIN-EN 60715 TH35 rail mounting in distribution cabinets with IP51 protection class. 4 modules = 70 mm wide and 58 mm deep.
Accuracy class B (1%). With RS485 interface.
It measures active energy by means of the current between input and output. The internal power consumption of 0.8 W or 0.5 W active power per path is neither metered nor indicated.
**1, 2 or 3 phase conductors with max. currents up to 80 A can be connected.**
The inrush current is 40 mA.
The terminals ↑L1 and N must always be connected.
**Connection to the ELTAKO RS485 bus via a FBA14 by means of a 2-wire screened bus line (e.g. telephone line).** The meter reading and the momentary capacity are transferred to the bus – e.g. for transfer to an external computer or a controller – and is also transferred to the wireless network via the FAM14. For this it is necessary that a device address is assigned from the wireless antenna module FAM14, according to the operating instructions.
**The 7 segment LC display is also legible twice within a period of 2 weeks without power supply.**
The power consumption is displayed with a LED flashing 1000 times per kWh next to the display.
**Designed as standard for using as double-tariff meter:** Switch over to a second tariff by applying 230 V to terminals E1/E2.
On the right next to the display are the keys MODE and SELECT. Press them to scroll through the menu according to the operation manual. First the **background lighting** switches on. The display then shows the total active energy per tariff, the active energy per resettable memory RS1 or RS2, and the instantaneous values of power, voltage, current as well as the PcH value can be displayed.
**Error message (false)**
When the phase conductor is missing or the current direction is wrong 'false' and the corresponding phase conductor are indicated on the display. In addition, the display flashes if the current direction is incorrect.
**Meter special operating modes:**
**In the meter operating modes, the focus is on the adjustable transmission speed of electricity meter data for external building energy managers.** Data can be accessed and forwarded via gateways connected to the FAM14 (FGW14, FGW14-USB). **Additional setting options are available on the FAM14 for meters from production week 33/23.**

| | | | |
|---|---|---|---|
| **DSZ14DRS-3x80A** | RS485 bus three-phase energy meter with display, MID | **Art. No. 28365715** | **201,40 €/pc.** |

Recommended retail prices excluding VAT.