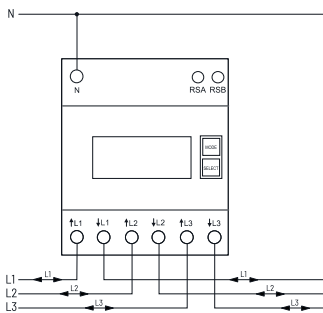




### Typical connection

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/DSZ14DRSZ-3\\*80A\\_MID](https://eltako.com/redirect/DSZ14DRSZ-3*80A_MID)

Housing for operating instructions GBA14 page 1-50.  
 Technical data page 10-27.

## DSZ14DRSZ-3x80A MID



**RS485 bus bidirectional three-phase meter. Maximum current 3x80 A. Standby loss 0,8 W at L1 and only 0,5 W at L2 and L3 each.**

Modular 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.

**The active energy is added depending on the sign. Positive power in the meter means energy consumption, negative power means energy delivery. The energy measurement is balanced.**

**If the energy consumption (P positive) is greater than the energy supply (P negative), the meter reading T → is increased. If the energy supply is greater than the energy consumption, the meter reading T ← is increased. Energy consumption is shown with a right arrow → and energy supply is shown with a left arrow ← above the active bar in the display.**

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 via a FBA14 to the ELTAKO RS485 bus with a 2-wire shielded bus cable (telephone cable).**

The meter reading and the momentary power 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.

**Energy consumption and energy supply values are stored in non-volatile memory and are displayed again immediately after a power failure.**

**The 7 segment LC display is also legible twice within a period of 2 weeks without power supply.**

The power consumption and the power supply are indicated using a LED next to the display flashing 1000 times per kWh.

On the right next to the display are the keys MODE and SELECT. Press them to scroll through the menu.

First the **background lighting** switches on. Then the total active energy per consumption and delivery, the active energy of the resettable memory consumption and delivery and the instantaneous values of power, voltage, current as well as the Pch value can be displayed.

### Error message

If a phase connection is missing, the corresponding phase is shown on the display.

### 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, FGW14W(L)-IP). **Additional setting options are available on the FAM14 for meters from production week 33/23.**

<b>DSZ14DRSZ-3x80A</b>	RS485 bus two-way three-phase meter with display, MID approval	<b>Art. No. 28465715</b>	<b>232,20 €/pc.</b>
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