

# Three-phase energy meter DSZ12E-3x65 A with MID approval



## Maximum current 3x65A. Standby loss 0.5 watt per path only.

Modulair device for DIN-EN 60715 TH35 rail mounting.

4 modules = 70 mm wide and 58 mm deep.

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

It measures active energy by means of the current between input and output.

The internal power consumption of 0.5 watt active power per path is neither metered nor indicated.

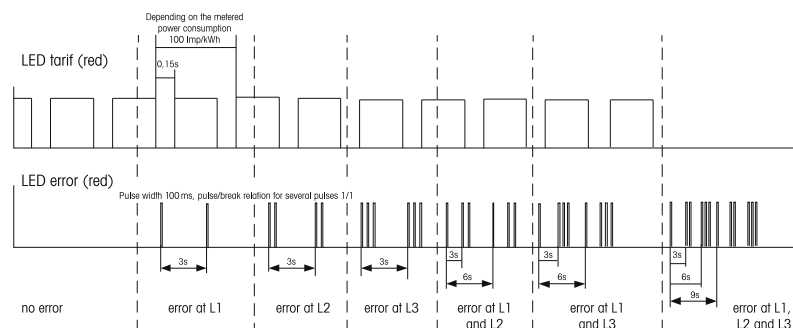
1, 2 or 3 phase conductors with max. currents up to 65A can be connected.

The inrush current is 40 mA.

The registers can be read anytime without power supply.

The N terminal **must** always be connected.

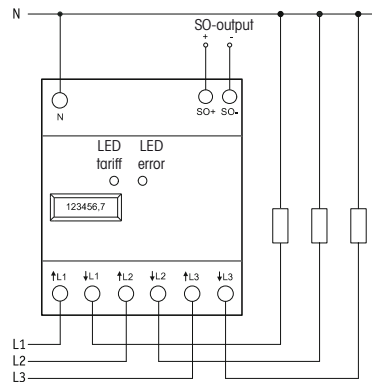
**Two red LEDs will show a power consumption or a possible wrong connection:**



## Technical Data

|                                                           |                                                                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage, extended range                             | 3x230/400V, 50Hz, -20%/+15%                                                                                                                                           |
| Reference current $I_{ref}$ (Limiting current $I_{max}$ ) | 10 (65)A                                                                                                                                                              |
| Internal consumption, active power                        | 0.5W per path                                                                                                                                                         |
| 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              | 40mA                                                                                                                                                                  |
| Ambient temperature limits                                | -25/+55°C                                                                                                                                                             |
| Interface                                                 | Pulse interface SO 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, 100 Imp./kWh |
| Protection degree                                         | IP50 for mounting in distribution cabinets with protection class IP51                                                                                                 |
| Maximum conductor cross section                           | N and L terminals 16mm <sup>2</sup> ,<br>SO terminals 6mm <sup>2</sup>                                                                                                |
| EC type examination certificate                           | CH-MI003-12018                                                                                                                                                        |

## Typical connection DSZ12E-3x65 A



## EC DECLARATION OF CONFORMITY

File name FQKZ036

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

Type designation **DSZ12E-3x65 A**

EC type CH-MI003-12018

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, 01. June 2012

signed Ulrich Ziegler, General Manager

## Important note!

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