

## Calibrated electronic three-phase energy meter with MID approval

### EDZ12B-3x65 A

CE

Only calibrated meters are permitted for billing according to §25 of the German Calibration Law. Failure to comply is an offence according to §19.

#### Maximum current 3x65 A. Standby loss 1 watt per path only.

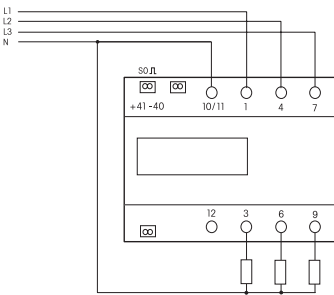
Modulair device for DIN-EN 50 022 rail mounting. 6 modules = 108mm wide and 56mm deep. Accuracy class B (1%). With S0 interface as standard.

This direct metering three-phase energy meter measures active energy by means of the current between input and output. The internal power consumption of 1 watt active power per path is neither metered nor indicated.

1, 2 or 3 phase conductors with max. currents up to 65 A can be connected. The inrush current is 20 mA.

#### Typical connection

##### 4-wire-connection 3x230/400 V



#### A red LED displays power consumption, 1000 Imp/kWh.

If no power is consumed the red LED is permanently illuminated. Errors are indicated on the display: L1-L2-L3 blink if phases or input/output are inverted.

With a push-button next to the display the instantaneous values total power as well as power, voltage and current per phase can be indicated.

#### Trifurcated rail mounting with sinistral N-connection possible.

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

#### Technical Data

Rated voltage	3x230/400 V, 50 Hz,
Extended range	-20%/+15%
Rated current In (Limiting current I <sub>max</sub> )	5(65) A
Internal consumption Active power	1W per path
Reading active power	LC display, 6 digits for kWh and 2 decimal digits
Accuracy class ±1%	B
Inrush current according to accuracy class B	20 mA
Ambient temperature limits	-25/+55°C

Interface	Pulse interface S0 according to DIN EN 62053-31, potential free by an OptoMOS unit, max. 230V UC, 100mA; Impulse length 30ms, 1000 Imp./kWh
Terminal cover sealable	Terminal cover claps
Protection degree	IP50 for mounting in distribution cabinets with protection class IP51
Maximum conductor cross section	N and L terminals 16 mm <sup>2</sup> , S0 terminals 2.5 mm <sup>2</sup>
Compliance with	EN 62053-21, EN 50470 (MID)

#### Declaration of Conformity CE

The product complies with the EC type examination certificate and meets all requirements of the directive 2004/22/EC of the European Parliament and of the Council of 31 March 2004 on measuring instruments, implemented by the Fourth Ordinance for amending the Verification Ordinance dated 8 February 2007.

Following standards are applied:

EN 50470-1

Single-phase energy meters – part 1:  
General requirements, tests and test conditions -  
metering equipment (class indexes A, B and C)

EN 50470-3

Single-phase energy meters – part 3:  
Particular requirements - static meters for active  
energy (class indexes A, B and C)

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#### Warning!

**Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.**