

DSZ12D-3×80A Din Rail Three Phase MID energy meter with Pulse Output



■ Features

- Din-EN 60715 TH35 rail mounting, 4 Modules 72mm Width
- Pulse Output
- LCD with backlight
- double-tariff
- Multi-measurement: kWh, W, V, A, Hz, etc
- with super capacitor, the LCD is also legible twice within a period of 2 weeks without power supply.
- when the phase conductor is missing or the current direction is wrong 'false' and the corresponding phase conductor are indicated on the display.

The DSZ12D-3×80A is a three phase four wire energy meter with Max. 80A direct input. It measures voltage, current, frequency, power, active energy, etc. It supports double-tariff and the second tariff is simply switched by applying 230V to terminals E1/E2. Built-in interfaces provides pulse output. With modular design, the unit has achieved as 4-Din (4 modules 72mm width) structure with the advantages of small size, high accuracy, high reliability and easy installation.

The unit has been MID approved to meet the requirements of EU Directive 2014/32/EU. MID Certificate number 0120/SGS0204.

■ Technical Specifications

1. Essential information

Model	Type	Rated Voltage(Un)	Rated Current(Ib)	Pulse constant	Frequency	Dimensions (H×W×D)mm
DSZ12D-3×80A	Three Phase	3×230V/440V	80A	1000imp/kWh	50Hz	82.5×72×62.5

2. Electrical Characteristics

Operational Voltage	Extended Range	Internal Consumption	Accuracy Class
0.9Un~1.1Un	0.8Un~1.15Un	<0.2W	class B

3. Performance Criteria

Storage and Operating humidity	Annual average value <75%
Operating Temperature	-25℃~+55℃
Storage and transport temperature	-40℃~+70℃
International Standard	IEC62053-21/EN50470-1/EN50470-3
Mechanical Environment	M1

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Electromagnetic Environment	E2
Protection degree	IP51(indoor)

4. Typical connection

Maximum conductor cross section	
L	25mm ²
N	16mm ²
SO	6mm ²

