

DHZ-63 Digital Single Phase Electricity Meters

DHZ-63 single phase electricity meters are used to measure electricity in 2-conductor networks. Meters are connected directly to calculate the electricity consumption.

Meters are available with S0 impulse output or with M-bus interface. M-bus allows accurate data transmission to management systems and meter management software solutions such as Prodion.

Features

- Digital Direct Connection Electricity Meter
- Pulse Output according to DIN 43864 or M-Bus according to EN1434-3 Connectivity Options
- Multi-Use Display with Consumption Figures, Momentary Power, Amperes, Voltage and Phase Shift Factor
- DIN-rail mounting according to EN50022 (TS35)



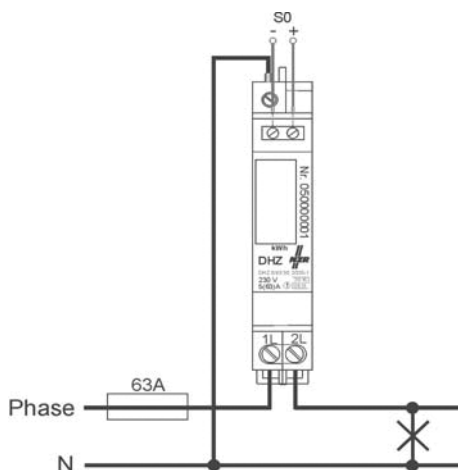
Model Type	Model	Description
	DHZ-63A-S0	63A Digital Single Phase Electricity Meter, S0 Impulse Output
	DHZ-63A-M-BUS	63A Digital Single Phase Electricity Meter, M-Bus Interface
Technical Data	Operating Voltage	1 x 230V
	Current:	5(63)A
	Frequency	50Hz
	Precision	1%
	Own Consumption	<0.3W
	Operating Temp	-10..+45°C
	Impulse Output	According to DIN43863 Mosfet Length 60 ms, 1000 Imp/kWh
	M-Bus Interface	According to EN1434-3 Readable Data: Energy Counter Reading, Media, Status
	Protection Class	IP51
	Mounting	DIN-Rail
	Display	6-Digit LCD - Energy value, kWh - Momentary Power, W - Mains Voltage, V - Current Ampere, A - Phase Shift Factor, cos phi - M-bus addresses
Mounting	DIN-rail	
Dimensions	W18.5 x H93 x D63 mm	

Display Overview

Menu	Description	Menu Displays
1	Effective energy in kWh with one decimal	00002.3
2	Effective energy in kWh, second meter data (resetable)	2.3
3	Momentary active power in W	2744
4	Mains voltage in Volts with one decimal	230.5V
5	Current in Amperes with one decimal	30.3A
6	Phase shift factor cos phi	0.95100
7	Display test	8888888
8	Software conditions	SF: 100
With M-Bus interface		
9	Primary address	143
10	Secondary address	123864

Installation and Wiring

The meters from the series DHZ are designed for DIN-Rail mounting in accordance with EN 50 022. With connection of the meter please pay careful attention to the relevant connection diagram. If the connection diagram is not included, please contact the supplier.



SAFETY PRECAUTIONS

The meters are to be used exclusively for measuring electrical energy and must only be operated within the specified technical data.

When installing or changing the meter, the conductor to which the meter is connected must be de-energized. Contact of parts under voltage is extremely dangerous. Therefore the relevant back-up fuses are to be removed and stored so that other people cannot insert this unnoticed.

Before opening the meter the secondary circuit of the current transformer must be short circuited. The high voltage on the current transformer is extremely dangerous and destroys the current transformer.

The system voltage input is under voltage.

WARNING: The local standards, guide lines, regulations and instructions are to be obeyed. Only authorized personnel are permitted to install the electricity meters.

When storing, transporting and operating the meter it should be protected against dampness, dirt and damage and also not be operated outside the specified technical data (see also name plate). During the operation of the meter pay attention to the temperature range (see technical data).

Dimensions

