DIN Rail Single Phase Electronic Energy Meter

This single-phase electronic energy meter is designed for DIN rail mounting. It accurately measures electrical energy consumption and is suitable for residential and commercial applications.

ADDITIONAL IMAGES

Overview

Compact Energy Monitoring Solution

This DIN rail mounted single-phase electronic energy meter is engineered for high-accuracy measurements in low-voltage energy markets. Featuring a compact design and 63A direct connect input, it provides a comprehensive monitoring solution for voltage, current, power, and frequency. Designed for seamless integration into energy management systems, it supports standard RS-485 communication with Modbus RTU protocol.

Key Features

Measurement Capabilities

- Voltage, Current, kW, kvar, kVA
- Power Factor (PF) and Frequency
- kWh and kvarh (Imp/Exp/Tot/Net)
- kVAh
- Device Operating Time (Running Hour)

Compliance & Certification	IEC 62053-21: 2020 Class 0.5, NMI M6-1 Class 1 Certified

Technical Specifications

Performance Metrics

63 A	20 mA	1000 imp/kWh
Max Current	Starting Current	Pulse Output

Current Specifications

Parameter	Value
Basic Current (Ib)	5A
Max Current (Imax)	63A
Starting Current (Ist)	0.02A (0.4% Ib)
Minimum Current (Imin)	0.25A (5% Ib)

Physical & Environmental

IP Rating

IP51 (Front) • IP30 (Body)

Dimensions	36 x 65 x 90 mm
Operating Temperature	-25°C to +70°C

Connectivity

Communication	RS-485 with Modbus RTU