

Features

- Class 1 - Active
Energy
measurement
- MID-approved
measurement
standard
- Sealable terminal
block

RS PRO Energy Meters

RS Stock No.: 0360666



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS PRO ES Series is designed to measure active energy consumption. They are compact, reliable, easy-to-install products. Their compliance with measurement standards is registered with MID certificate.

THE RS PRO ES Series Energy Meters are ideal solution for any type of single-phase energy project provides you the flexibility by remote monitoring and pulse output features.

General Specifications

Operating Voltage (Un)	230 VAC - 20%+15%
Operating Frequency	50/60 Hz
Power Consumption	<2VA
Rated Current (In)	5(32)A
Accuracy	Class B
Display	6+1 digit=999999,9kWh
Data Retention Duration	>40 years
Pulse LED	When the current is more than 0.02AA it blinks proportional to the consumed energy.
Pulse Output	1000 Pulses / kWh (Optical isolated NPN transistor)
Pulse Out Width	20ms
Operating Temperature	-20°C... +65°C
Cable Section	4mm ²
Installation	Standard DIN rail mounting (DIN EN 60715 and EN 50022)
Weight	60gr.

Enclosure Specifications

Dimensions	87 x 63 x 19mm
Protection Class	IP51
Display	6+1 digit LCD

Measurement Specifications

Active Energy Range	0-999999.9 kWh
Accuracy	± 1% Class 1
Nominal Current	In=5A
Starting Current	0,02A
Minimum Current	0,25A
Transfer Current	0,5A
Highest Current	32A
Burden (Input Load)	0,5 VA
Surge Voltage Test	4kV 1.2/50 ms IEC 1000-4-5
Burst Test	4kV IEC 61000-4-4

Supply Specifications

Operating Voltage	230 VAC - 20%+15%
Operating Frequency	50/60Hz
Power Consumption	<2W

Input / Output Structure

Pulse Output	1000Imp./kWh
Pulse Width	Ti=20ms.

Ambient Conditions

Operating Temperature	-25°C +55°C
Over Voltage Category	III
Pollution Degree	II
Type	Indoor
Ambient Humidity	90%

Standards

Applied Standards	EN 62052-11, EN 62053-21
Applied Certificates	MID Measurement Certificate

Connections

Mounting	Rail Mounting DIN EN 50022
Connection Terminals	Screw Type

Technical Drawing

