



RR300 Three Phase Remote Reading Mini Meter

The Remote Reading Mini-Meter **RR300** is a three phase 20 (60)A electricity meter with integrated **PLC** (Power Line Communication) interface for operation in **Advanced Metering Infrastructure (AMI)**.

The Mini Meter – **RR300** measures electric energy consumption and transmits data over the power network using one way **Power Line Communication (PLC)** to a central point in the installation – concentrator – from which data is transmitted to the billing center by cellular communication – GSM/GPRS.

RR300 has LCD display showing meter data.

RR300 meters is mounted on DIN standard rail in distribution boards or small enclosures.

Features:

- ◆ 20(60)A , Class 2, direct measurement static watt-hour meter.
- ◆ One-way A-band **Power Line Communication**
- ◆ Non volatile **backup memory**.
- ◆ **Automatic calibration** (NO physical adjustment).
- ◆ Allows **Time Of Use** tariff scheme.
- ◆ Periodically transmits accumulation data and status to the concentrator.
- ◆ Directly energized by power lines.
- ◆ Low power consumption.
- ◆ **16 mm²** wire terminals.
- ◆ Small size – triple width DIN – rail mounted.
- ◆ **Simple** and fast installation.
- ◆ **Cost effective**.



Fig.1. General view of RR300



RR300

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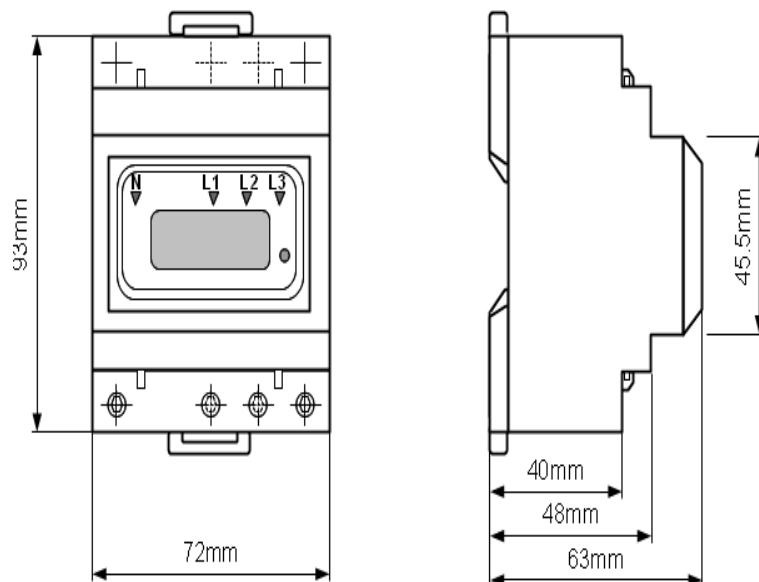
Technical specification

1.3.1. General	
Nominal Voltage (Un)	3x230 (400)V
Supply Voltage range	80% - 115% Un
Nominal Frequency (fn)	50Hz
Meter Consumption at Un	1.2W-12Var(Capacitive)
System connections	3 phase 4 wire
1.3.2. Measurement	
Class Index according to IEC62053-21	Class 2
Basic Current (Ib)	20A
Maximum continuous current (Imax)	60A
1.3.3. Environmental	
Temperature range	
operation	-10°C to 55°C
storage	-25°C to 70°C
Relative humidity (R.H.) for annual mean	< 75%
R.H. occasionally on some days	85%
1.3.4. Insulation Strength	
Protective Class ac. w. IEC62052-11	Class I I
1.3.5. Display	
Type	LCD
Format	8 Characters x 2 Lines
Character size	4.3mm x 2.95 mm
1.3.6. LED Indicator	
Flash rate	1000 imp/kWh
1.3.7. Communication Interface	
PLC Frequency range	"A"-band
PLC Method	Spread FSK
1.3.8. Case Protection/Weight	
Weight	280 g
Enclosure protection ac. w IEC60529	IP51
Protection for connection terminals	IP20

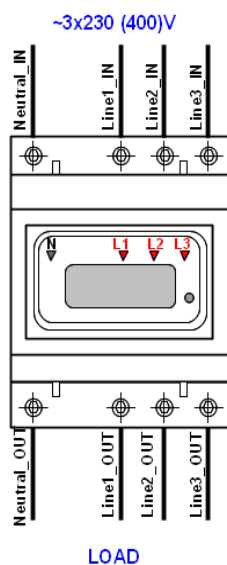


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External Dimensions



Connections Diagram



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