

Product data sheet

Characteristics

DRS-201A

Single phase + neutral kWh meter

230V 5(45)A

General Technical Data

Voltage (V)
Voltage AC (Un) 230
Voltage range -30% to +30% of Un

Current (A)
- base (Ib) 5
- max (Imax) 45
Starting current (mA) 0.4% of Ib
Power consumption of current ≤2W / 10VA

General data
Frequency (Hz) 50/60(±10%)
Accuracy 1.0

Standards IEC 62053-21
Memory back-up EEPROM
Enclosure material
Upper Polycarbonate
Lower Polycarbonate/glass fibre

Temperature range (°C)
Operating -10°C to +50°C
Storing -30°C to +70°C

Humidity
Operating 75%
Storing 95%

Protection
Protection against penetration
Of dust and water IP51
Insulating encased meter
of Protective class II

Voltage withstand
AC voltage withstand 2KV for 1 minute
Impulse voltage withstand 6KV-1.2US waveform

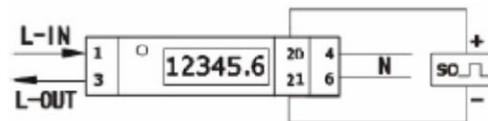
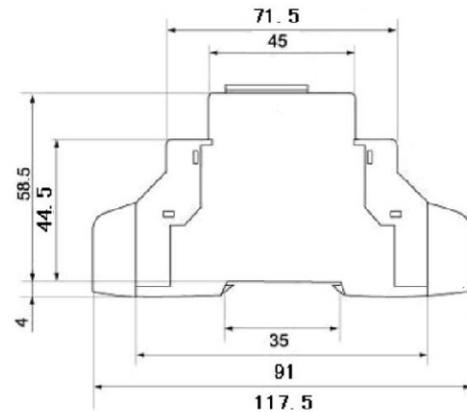
Current withstand 30Imax for 0.01s

Pulse output rate 2000 imp/kWh
 1000imp/kWh

To comply with the protection requirements the meter must be mounted in a class IP 51 enclosure or better, according to IEC 60529

Display

DRS-201A display type Mechanical register display
Digit length 5+1



- 1 Inlet phase line
- 4 Inlet neutral line
- 3 Outgoing phase line
- 6 Outgoing neutral line
- 20 and 21 Pulse output contact

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Shanghai Fengyilong Electronic Co., Ltd. nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.