CHINT

Empower the World

DDSY666

Single Phase DIN-Rail Meter

SWARM series

- STS Standard
- Operating with IHD
- Ultra Anti-Tamper

HIGH ACCURACY | STS | DLMS | ANTI-TAMPER

Chint Global

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A CHINT COMPANY

DDSY666 Single Phase DIN-Rail Meter

SPECIFICATIONS

Measurement

- Compliance with STS standard
- Connection type: 1P2W
- Accuracy: Class 1.0 for active

Voltage

- Nominal voltage (Un): 110V, 120V, 220V, 230V, 240V
- Operating range: 0.7Un ~ 1.2Un
- Power consumption: ≤ 1.5W, 5VA

Current

- 5(60)A/5(80)A/5(100)A

Frequency

- 50Hz or 60Hz

Real-time Clock

- Accuracy within 0.5 seconds per day at 23° C

LCD Display

- Number of flashes per kWh
- Communication indication
- Relay indication

Battery (Optional)

- Built-in Battery
- Voltage: 3.6V nominal
- Backup time: 15 years with power

Measured Values

- Total kWh
- Instantaneous kW, Irms, Vrms
- Cumulative and credit energy

Relay

- One relay
- Up to 10000 operations

Communications

- Optical port
- PLC/M-Bus (optional) communication with IHD
- Protocol: IEC62056-21
- Communication with DCU through PLC (optional)

Event Logs (Optional)

- Standard event, tamper event, control event, grid event
- Configurable event alarming system (LED and buzzer)
- Meter tamper state indication on IHD LCD and LED

Security

- Compatibility STS
- 20 digits token transfer

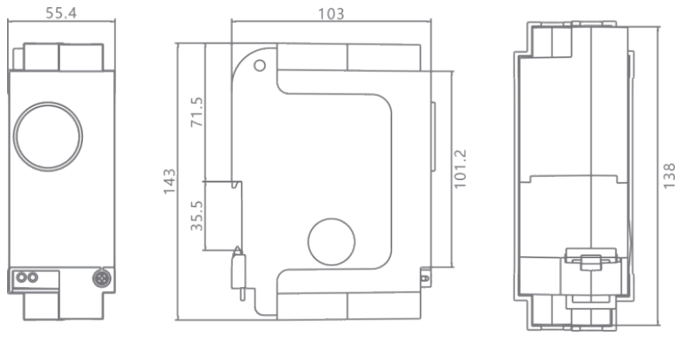
Environmental

- Operating range limit: -40° C to +75° C
- Storage range limit: -40° C to +85° C
- Relative humidity: ≤ 95%RH
- Ingress protection: IP54

Dimensions and Weight

- Dimensions: 143mm ×103mm × 55.4mm
- Weight: 0.6 kg (Approx.)

METER DIMENSIONS



- Units: mm

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