



INSULATION MONITORING DEVICE



FEATURES

- ◆ Dedicated two relays for earth leakage faults
- ◆ Reliable insulation monitoring accuracy
- ◆ Calibrated scale with +10% accuracy for each relays
- ◆ DC Fast Charging Station, Battery and Rectifier

APPLICATIONS

- DC Fast Charging Station
- Battery
- Rectifier

TECHNICAL SPECIFICATIONS

Input power

Input Voltage	12 V DC @ 2A
Supply Voltage Range	0 ~1100 V DC (0-1000 V option available)
Power Consumption	1.2 W

Relay

Output	12 V DC (Channel 1 & 2)
Number of Relays	2 Nos.

Configuration

Time Delay (default: 20 ms), Trip Time Delay (range: 1 to 10 s) and Resistance Threshold Limit (default: 2000 Ω)

Accuracy

Setting	0 to 60 kΩ (±10%), >60 kΩ (>±20%) 20 kΩ to 1 MΩ: Accuracy of 5% for symmetric faults 1 MΩ: An ideal indicator of insulation
Measurement Range	20 kΩ to 200 kΩ: Accuracy of 5% for both symmetric and asymmetric faults 0 to 2 kΩ: Resistance value flagged as a short

Communication

Protocol	Digital I/O for digital warning and fault signal lines
Configuration	RS-485 (Modbus)
Standards	IEC 61557-8 and IEC 61851-23
Rating Grade	Automotive

Mechanical

LED indication	3
Mounting	Surface & DIN rail
Dimension	110 X 105 X 48.55 mm
Weight	147 g & 82 g (without enclosure)
Operating Temperature	-20°C to 55°C
Storage / Transport Temperature	-20°C to 60°C
Humidity	20 % to 95 %

