

Product data sheet

Specifications



VIGILOHM IM400L - low voltage - 24 - 48 VDC

IMDIM400L

Main

Range	Vigilohm
Device Short Name	IM400L
Product Or Component Type	Insulation monitoring device
Device Application	Standard environment application Marine application
Electrical Circuit Type	Large or highly disturbed network
Earthing System	IT
Language	English Italian French Russian Portuguese German Spanish Chinese

Complementary

Network Rated Voltage	0...480 V - AC at 45...440 Hz (device connected to phase) 0...830 V - AC at 45...440 Hz (device connected to neutral) 0...480 V - DC
Type Of Measurement	Network insulation resistance - measurement range: 10 Ohm...10 MOhm Earth leakage capacitance - measurement range: 0.1...500 µF
Local Signalling	Green indicator light: satisfactory insulation resistance White indicator light: below prevention threshold Red indicator light: wiring or internal fault Yellow indicator light: insulation fault Yellow flashing indicator light: communication
Threshold Setting	Pre-alarm: 1 kOhm...1 MOhm Alarm: 40 Ohm...500 kOhm
Time Delay Range	0...120 min for signalling circuit
Response Time	<= 4 s
Auxiliary Supply Voltage	24...48 V DC +/- 15 %
Power Consumption In Va	25 VA
Measurement Voltage	120 V 15 V 33 V
Measurement Current	0...825 µA 0...3 mA 0...375 µA
Internal Impedance	40 kOhm - AC at 0.1...440 Hz 40 kOhm - DC

Disclaimer: 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

Test Function	Self test Manual
Output Contact	2 C/O standard or fail-safe
Breaking Capacity	250 V - AC at 6 A 48 V - DC at 1 A
Input Function	Injection inhibition: 24 V AC 5 mA
Communication Port Protocol	Modbus
Communication Port Support	RS485
Display Type	Digital display
Mounting Mode	Flush-mounted
Mounting Support	Panel
Mounting Position	Horizontal
Connections - Terminals	Removable screw terminal block0.2...2.5 mm²
Material	Thermoplastic
Overvoltage Category	III
Net Weight	0.75 kg
Cut-Out Dimensions	112 x 148 mm
Height	123 mm
Width	159 mm
Depth	90 mm

Environment

Dielectric Strength	4000 V - AC 5500 V - DC
Ip Degree Of Protection	Case: IP20 Front face: IP54
Environmental Characteristic	Exposure to damp heat not in service conforming to IEC 60068-2-30 Exposure to damp heat in service conforming to IEC 60068-2-56 Salt mist conforming to IEC 60068-2-52
Operating Altitude	<= 3000 m
Pollution Degree	2
Relative Humidity	0...90 %
Type Of Installation	Indoor
Standards	IEC 60364-4-41 IEC 61010-1 IEC 61557-8 CSA C22.2 No 14-05 IEC 60364-5-51 UL 508
Product Certifications	UL CE DNV ABS RMRS cULus CSA EAC
Ambient Air Temperature For Operation	-25...55 °C
Ambient Air Temperature For Storage	-40...70 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.000 cm
Package 1 Width	17.500 cm
Package 1 Length	21.500 cm
Package 1 Weight	926.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.334 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance



Mercury Free



RoHS Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov