

Product data sheet

Specifications



VIGILOHM IM20 110 - 415 VAC

IMD-IM20

Main

Range	Vigilohm
Device Short Name	IM20
Product Or Component Type	Insulation monitoring device
Device Application	Marine application Standard environment application
Electrical Circuit Type	Medium or low disturbed network
Earthing System	IT
Language	Spanish English French German Russian Chinese Portuguese Italian

Complementary

Network Rated Voltage	0...600 V - AC at 45...440 Hz (device connected to neutral) 0...480 V - AC at 45...440 Hz (device connected to phase) 0...345 V - DC
Data Recording	Alarm logs
Type Of Measurement	Network insulation resistance - measurement range: 0.1 kOhm...10 MOhm Earth leakage capacitance - measurement range: 0.1...40 µF History of alarms
Local Signalling	Green indicator light: satisfactory insulation resistance White indicator light: below prevention threshold Orange indicator light: below fault threshold Orange flashing indicator light: transient fault
Threshold Setting	Prevent: 1 kOhm...1 MOhm Fault: 0.5...500 kOhm
Time Delay Range	0...5 min for signalling circuit
Response Time	<= 5 s
Auxiliary Supply Voltage	110...415 V AC 45...440 Hz +/- 15 % 125...250 V DC +/- 15 %
Power Consumption In Va	12 VA
Measurement Voltage	75 V
Measurement Current	0...0.4 mA
Internal Impedance	110 kOhm - AC at 0.1...440 Hz
Test Function	Manual Self test

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

Output Contact	1 C/O standard or fail-safe
Breaking Capacity	250 V - AC at 6 A 12...24 V - DC at 6 A
Input Function	Injection inhibition: 24 V DC 5 mA
Communication Port Protocol	Modbus
Communication Port Support	RS485
Display Type	Digital display
Mounting Mode	Clip-on Flush-mounted
Mounting Support	DIN rail Panel
Connections - Terminals	Removable screw terminal block0.2...2.5 mm²
Material	Thermoplastic
Overvoltage Category	III
Net Weight	0.25 kg
Height	110 mm
Width	96 mm
Depth	59 mm

Environment

Dielectric Strength	4000 V - AC 5500 V - DC
Ip Degree Of Protection	Front face: IP52
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
Type Of Installation	Indoor
Standards	IEC 60364-4-41 IEC 61010-1 IEC 61557-8 IEC 61326-2-4
Product Certifications	BV DNV CE EAC RMRS
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	10.5 cm
Package 1 Width	13.5 cm
Package 1 Length	16.5 cm

Package 1 Weight	443.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.17 kg

Contractual warranty

Warranty	18 months
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Sustainability

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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 >](#)



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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov