

Product datasheet

Specifications



VIGILOHM IM10 110 - 415 VAC

IMD-IM10

Main

Range	Vigilohm
Device Short Name	IM10
Product Or Component Type	Insulation monitoring device
Device Application	Standard environment application Marine application
Electrical Circuit Type	Medium or low disturbed network
Earthing System	IT
User Language	Chinese German Italian French Spanish Portuguese Russian English

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
Type Of Measurement	Network insulation resistance - measurement range: 0.1 kOhm...10 MOhm
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
Output Contact	1 C/O standard or fail-safe
Breaking Capacity	250 V - AC at 6 A 12...24 V - DC at 6 A

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

Communication Port Protocol	-
Display Type	Digital display
Mounting Mode	Clip-on Flush-mounted
Mounting Support	Panel DIN rail
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	RMRS DNV CE EAC BV
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	10.500 cm
Package 1 Width	13.800 cm
Package 1 Length	16.800 cm
Package 1 Weight	432.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm

Package 2 Length	40.000 cm
Package 2 Weight	4.099 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.

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

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
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