

# Product datasheet

Specifications



## VIGILOHM IM400 100 - 440 VCA

IMD-IM400

EAN Code: 3606480573347

### Main

Range	Vigilohm
Device Short Name	IM400
Product Or Component Type	Insulation monitoring device
Device Application	Marine application Standard environment application
Electrical Circuit Type	Large or highly disturbed network
Earthing System	IT
User Language	Italian French German Chinese Portuguese Russian Spanish English

### 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	100...440 V AC 50/60 Hz +/- 15 % 100...440 V AC 400 Hz +/- 15 % 100...440 V DC +/- 15 %
Power Consumption In Va	25 VA
Measurement Voltage	120 V 15 V 33 V
Measurement Current	0...3 mA 0...825 µA 0...375 µA
Internal Impedance	40 kOhm - AC at 0.1...440 Hz 40 kOhm - DC

<b>Test Function</b>	Manual Self test
<b>Output Contact</b>	2 C/O standard or fail-safe
<b>Breaking Capacity</b>	250 V - AC at 6 A 48 V - DC at 1 A
<b>Input Function</b>	Injection inhibition: 24 V AC 5 mA
<b>Communication Port Protocol</b>	Modbus
<b>Communication Port Support</b>	RS485
<b>Display Type</b>	Digital display
<b>Mounting Mode</b>	Flush-mounted
<b>Mounting Support</b>	Panel
<b>Mounting Position</b>	Horizontal
<b>Connections - Terminals</b>	Removable screw terminal block 0.2...2.5 mm <sup>2</sup>
<b>Material</b>	Thermoplastic
<b>Overvoltage Category</b>	III
<b>Net Weight</b>	0.75 kg
<b>Cut-Out Dimensions</b>	112 x 148 mm
<b>Height</b>	123 mm
<b>Width</b>	159 mm
<b>Depth</b>	90 mm

## Environment

<b>Dielectric Strength</b>	4000 V - AC 5500 V - DC
<b>Ip Degree Of Protection</b>	Case: IP20 Front face: IP54
<b>Environmental Characteristic</b>	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
<b>Operating Altitude</b>	<= 3000 m
<b>Pollution Degree</b>	2
<b>Relative Humidity</b>	0...90 %
<b>Type Of Installation</b>	Indoor
<b>Standards</b>	IEC 60364-4-41 IEC 61010-1 IEC 61557-8 CSA C22.2 No 14-05 IEC 60364-5-51 UL 508
<b>Product Certifications</b>	DNV RMRS CE ABS EAC CSA cULus UL
<b>Ambient Air Temperature For Operation</b>	-25...55 °C
<b>Ambient Air Temperature For Storage</b>	-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	21.200 cm
Package 1 Weight	946.000 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	4.458 kg

## Contractual warranty

Warranty	18 months
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## 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-CO<sub>2</sub> 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](#)