

Product data sheet

Specifications



insulation monitoring device
Vigilohm IM9, 110 to 415VAC
supply, for AC network

IMD-IM9

Main

Range	Vigilohm
Device short name	IM9
Product or component type	Insulation monitoring device
Type of IMD	AC IMD
Earthing system	IT
Application	Marine application Industrial application Infrastructure Generator
Network size	Small
Electrical circuit type	Control circuit
Network capacitance	No polluted
Type of network	1P + N 3P 3P + N
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)
Type of measurement	Network insulation resistance, range: 1000 Ohm...500 kOhm, accuracy: +/- 15 %

Complementary

Threshold setting	Pre-alarm: 2...500 kOhm Alarm: 1...250 kOhm
Response time	$\leq 7 \text{ s}$ 100 %
Configurable filtering time	7 s
Response time	$\leq 7 \text{ s}$
Self-test	Manual
Overvoltage category	III
IP degree of protection	Case: IP20 Front face: IP40
Material	Thermoplastic

Physical

Type of installation	Indoor
Operating altitude	$\leq 3000 \text{ m}$
Relative humidity	0...92 %
Ambient air temperature for operation	-25...55 °C

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

Ambient air temperature for storage	-40...70 °C
Pollution degree	2
Mounting mode	Clip-on (DIN rail) Flush-mounted (panel)
Mounting position	Horizontal Vertical
Connections - terminals	Tunnel type terminals 0.2...2.5 mm²
Product weight	0.2 kg
Cut-out dimensions	66 x 72.5 mm
Height	90 mm
Width	71 mm
Depth	67.5 mm

Communications & Management

Display type	Without display
Dry contact type	1 C/O standard or fail-safe
Signalling circuit voltage	250 V - AC at 6 A 12...24 V - DC at 6 A
Communication port protocol	-
Communication of data	HMI: test reports Dry contact: test reports

Power Requirements

[Us] rated supply voltage	110...415 V AC 50/60/400 Hz tolerance: +/- 15 % 125...250 V DC tolerance: +/- 15 %
Power consumption in VA	7 VA
Power consumption in W	3 W
Overcurrent protection	1 A

Standards

Standards	IEC 61557-8 UL 61010-1 IEC 61010-1 IEC 61326-2-4
Product certifications	EAC CE BV RMRS DNV RCM EU-RO MR TA
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 Long-term storage class 1K22 conforming to IEC 60721-3-1 Transport class 2K11 conforming to IEC 60721-3-2 Stationary use at weather protected locations class 3K24 conforming to IEC 60721-3-3
Mechanical robustness	Long-term storage class 1M11 conforming to IEC 60721-3-1 Transport class 2M4 conforming to IEC 60721-3-2 Stationary use class 3M11 conforming to IEC 60721-3-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.000 cm
Package 1 Width	8.400 cm
Package 1 Length	9.600 cm
Package 1 Weight	230.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	36
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.489 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	168 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	161 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	D345d44d-3c09-48d6-ae43-5ec47f0bd20f
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	0
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

