

Lembar data produk

Spesifikasi



VIGILOHM IM400 100 - 440 VAC

IMD-IM400

Main

Range	Vigilohm
Range of product	Vigilohm
Product or component type	Insulation monitoring device
product name	Vigilohm IM
Device short name	IM400
Device application	Marine application Standard environment application
electrical circuit type	Large or highly disturbed network
Electrical circuit type	Power circuit Control circuit
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
resistance measurement per channel	No
fault event log	Alarm logs Time stamping 30 events
Type of measurement	Network insulation resistance, range: 10 Ohm...10 MOhm, accuracy: +/- 1 % Earth leakage capacitance, range: 0.01...500 µF, accuracy: +/- 5 %
Configurable filtering time	4 s 40 s 160 s
Response time	0.8 s 1/5th of set filtering time 8 s 1/5th of set filtering time 32 s 1/5th of set filtering time
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

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

Threshold setting	Pre-alarm: 1 kOhm...1 MOhm Alarm: 40 Ohm...500 kOhm
Time delay range	0...120 min for signalling circuit 0...120 min for alarm
Response time	<= 4 s
[Us] rated 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
Power consumption in W	10 W
Overcurrent protection	2 A
Measurement voltage	120 V 15 V 33 V
Measurement current	0...3 mA 0...825 µA 0...375 µA
Relative impedance	40 kOhm - AC at 0.1...440 Hz 40 kOhm - DC
Test function	Manual Auto test at start and every 5h
Signal contacts composition	2 C/O minor, standard or fail-safe
Signalling circuit voltage	250 V - AC at 3 A 48 V - DC at 1 A
Input function	Injection inhibition: 24 V AC 5 mA
Communication port protocol	Modbus
Input type	Contact for injection inhibition Dry contact Contact for injection inhibition 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
Compatibility code	IM400

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...92 %
Type of installation	Indoor
Standards	IEC 60364-4-41 IEC 61010-1 IEC 61557-8 UL 61010-1 IEC 61326-2-4 EN/IEC 61508 level SIL2
Product certifications	DNV RMRS CE ABS EAC CSA cULus UL EU-RO MR TA
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	21.200 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
Unit Type of Package 3	P06
Number of Units in Package 3	32
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	43.500 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric bertujuan untuk mencapai status Net Zero pada tahun 2050 melalui kemitraan rantai pasokan, bahan baku yang lebih rendah, dan beredar melalui kampanye "Use Better, Use Longer, Use Again" untuk memperpanjang masa pakai dan daur ulang produk.

[Environmental Data dijelaskan >](#)

[Bagaimana kami menilai keberlanjutan produk >](#)

 Jejak lingkungan	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	682
Environmental Disclosure	Product Environmental Profile

Use Better

 Bahan dan Pengemasan	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACH Regulation	REACH Declaration

Use Again

 Repak dan remanufaktur	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins