



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
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 MA 0...375 µA
Internal impedance	40 kOhm - AC at 0.1...440 Hz 40 kOhm - DC
Test function	Manual Self test
Output contact	2 C/O standard or fail-safe
Breaking capacity	250 V - AC at 6 A 48 V - DC at 1 A
Input function	Injection inhibition: 24 V AC 5 mA
Communication port protocol	Modbus
Communication port support	RS485
Display type	Digital display
Mounting mode	Flush-mounted
Mounting support	Panel

Mounting position	Horizontal
Connections - terminals	Removable screw terminal block 0.2...2.5 mm ²
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




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...90 %
Type of installation	Indoor
Standards	IEC 60364-4-41 IEC 61010-1 IEC 61557-8 CSA C22.2 No 14-05 IEC 60364-5-51 UL 508
Product certifications	DNV RMRS CE ABS EAC CSA CULus UL
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 Weight	994 g
Package 1 Height	14 cm
Package 1 width	17.5 cm
Package 1 Length	21.2 cm
Unit Type of Package 2	P06
Number of Units in Package 2	32
Package 2 Weight	40.7 kg
Package 2 Height	750 cm
Package 2 width	80 cm
Package 2 Length	60 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
