



Main

Range	Vigilohm
Device short name	IM400C
Product or component type	Insulation monitoring device
Device application	Photovoltaic Harsh environment application
Electrical circuit type	Large or highly disturbed network
Earthing system	IT
Language	Chinese English French German Italian Portuguese Russian Spanish

Complementary

Network rated voltage	0...480 V AC 45...440 Hz device connected to phase 0...830 V AC 45...440 Hz device connected to neutral 0...480 V DC
Resistance measurement per channel	No
Type of measurement	Network insulation resistance : 10 Ohm...10 MOhm Earth leakage capacitance : 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 at 50/60 Hz +/- 15 % 100...440 V - AC at 400 Hz +/- 15 %

	100...440 V - DC +/- 15 %
Power consumption in VA	25 VA
Measurement voltage	15 V 33 V 120 V
Measurement current	0...3 mA 0...375 µA 0...825 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
Harsh environment	Coated
Overvoltage category	III
Product 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...94 %
Type of installation	Enclosed outdoor 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	ABS CE CSA cULus DNV RMRS UL EAC
Ambient air temperature for operation	-25...55 °C

	-25...70 °C
Ambient air temperature for storage	-40...70 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available End of Life Information
Product end of life instructions	Available