

IMDIFL12LMC

VIGILOHM ADVANCED 12 CHANNEL FAULT LOCATOR WITH MODBUS - 24-48VDC

Main

Range	Vigilohm
Device short name	IFL12LMC
Product or component type	Insulation fault locator
Device application	Standard environment application Marine application
Electrical circuit type	Large or highly disturbed network
Electrical circuit type	Control/Command circuit Power circuit
Earthing system	IT
User language	Chinese Spanish English French Russian Portuguese Italian German

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
Number of channels	12
Data recording	Alarm logs
Type of measurement	History of alarms Network insulation resistance - measurement range: 200 Ohm...250 kOhm Earth leakage capacitance - measurement range: 0.1...15 µF
Local signalling	Yellow indicator light: insulation fault Yellow flashing indicator light: communication Green/Red indicator light: product status Green indicator light: satisfactory insulation Yellow flashing indicator light: transient fault
Threshold setting	Alarm: 200 Ohm...200 kOhm
Time delay range	0...120 min for signalling circuit
Alarm per channel	Alarm threshold: settable per feeder
Accuracy	+/- 15 %
Response time	<= 5 s
Auxiliary supply voltage	24...48 V DC +/- 15 %
Power consumption in W	12 W
Test function	Auto test at start and every 5h Remote test Manual
Output contact	1 C/O standard or fail-safe
Breaking capacity	250 V - AC at 6 A 48 V - DC at 1 A
Communication port protocol	Modbus
Communication port support	RS485
Display type	Digital display
Mounting mode	Flush-mounted Clip-on
Mounting support	Panel DIN rail

Mounting position	Horizontal Vertical
Connections - terminals	Power supply: removable screw terminal block0.2...2.5 mm ² Output relay: removable screw terminal block0.2...2.5 mm ² Toroids inputs: removable screw terminal block0.2...1.5 mm ² Communication: removable screw terminal block0.2...2.5 mm ² Voltage inputs: removable screw terminal block0.2...2.5 mm ²
Material	Thermoplastic
Overvoltage category	III
Net weight	0.5 kg
Cut-out dimensions	92 x 104 mm
Height	110 mm
Width	108 mm
Depth	59 mm

Environment

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	5...92 %
Type of installation	Indoor
Standards	IEC 60364-4-41 IEC 61010-1 IEC 60364-5-51 IEC 61557-9
Product certifications	EAC[RETURN]DNV-GL[RETURN]CE[RETURN]UL[RETURN]cULus
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	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