# **Product datasheet**

Specifications





## VIGILOHM ADVANCED 12 CHANNEL FAULT LOCATOR WITH MODBUS - 100-440VAC/ DC

IMDIFL12MC

#### Main

| Range                     | Vigilohm  |
|---------------------------|---|
| Device Short Name         | IFL12MC   |
| Product Or Component Type | Insulation fault locator  |
| Device Application        | Marine application<br>Standard environment application                                |
| Electrical Circuit Type   | Large or highly disturbed network   |
| Electrical Circuit Type   | Power circuit<br>Control/command circuit  |
| Earthing System           | Г   |
| User Language             | Spanish<br>German<br>Italian<br>Russian<br>French<br>Chinese<br>English<br>Portuguese |

## Complementary

| e emprennen g            |   |
|--------------------------|---|
| Network Rated Voltage    | 0480 V - AC at 45440 Hz (device connected to phase)<br>0830 V - AC at 45440 Hz (device connected to neutral)<br>0480 V - DC   |
| Number Of Channels       | 12  |
| Data Recording           | Alarm logs  |
| Type Of Measurement      | History of alarms<br>Network insulation resistance - measurement range: 200 Ohm250 kOhm<br>Earth leakage capacitance - measurement range: 0.115 μF  |
| Local Signalling         | Yellow indicator light: insulation fault<br>Yellow flashing indicator light: communication<br>Green/red indicator light: product status<br>Green indicator light: satisfactory insulation<br>Yellow flashing indicator light: transient fault |
| Threshold Setting        | Alarm: 200 Ohm200 kOhm  |
| Time Delay Range         | 0120 min for signalling circuit   |
| Alarm Per Channel        | Alarm threshold: settable per feeder  |
| Accuracy                 | +/- 15 %  |
| Response Time            | <= 5 s  |
| Auxiliary Supply Voltage | 100440 V DC +/- 15 %<br>100440 V AC 4565 Hz +/- 15 %  |
| Power Consumption In Va  | 26 VA   |

| Power Consumption In W      | 10 W  |
|-----------------------------|---|
| Test Function               | Auto test at start and every 5h<br>Remote test<br>Manual  |
| Output Contact              | 1 C/O standard or fail-safe   |
| Breaking Capacity           | 250 V - AC at 6 A<br>48 V - DC at 1 A   |
| Communication Port Protocol | Modbus  |
| Communication Port Support  | R\$485  |
| Display Type                | Digital display   |
| Mounting Mode               | Flush-mounted<br>Clip-on  |
| Mounting Support            | Panel<br>DIN rail   |
| Mounting Position           | Vertical<br>Horizontal  |
| Connections - Terminals     | Power supply: removable screw terminal block0.22.5 mm <sup>2</sup><br>Output relay: removable screw terminal block0.22.5 mm <sup>2</sup><br>Toroids inputs: removable screw terminal block0.21.5 mm <sup>2</sup><br>Communication: removable screw terminal block0.22.5 mm <sup>2</sup><br>Voltage inputs: removable screw terminal block0.22.5 mm <sup>2</sup> |
| 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<br>Front face: IP54   |
|--|--|
| Environmental Characteristic             | Exposure to damp heat not in service conforming to IEC 60068-2-30<br>Exposure to damp heat in service conforming to IEC 60068-2-56<br>Salt mist conforming to IEC 60068-2-52 |
| Operating Altitude                       | <= 3000 m  |
| Pollution Degree                         | 2  |
| Relative Humidity                        | 592 %  |
| Type Of Installation                     | Indoor   |
| Standards                                | IEC 60364-4-41<br>IEC 61010-1<br>IEC 60364-5-51<br>IEC 61557-9   |
| Product Certifications                   | CE<br>DNV-GL<br>EAC<br>UL<br>cULus   |
| Ambient Air Temperature For<br>Operation | -2555 °C   |
| Ambient Air Temperature For<br>Storage   | -4085 °C   |

# **Packing Units**

| Unit Type Of Package 1       | PCE     |
|------------------------------|---------|
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 9.7 cm  |
| Package 1 Width              | 18.2 cm |
| Package 1 Length             | 13.5 cm |
| Package 1 Weight             | 550.0 g |
| Unit Type Of Package 2       | S03     |
| Number Of Units In Package 2 | 8       |
| Package 2 Height             | 30.0 cm |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 5.2 kg  |

## Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance



Rohs Exemption Information

#### **Certifications & Standards**

| Reach Regulation         | REACh Declaration   |
|--------------------------|---|
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | China RoHS declaration  |
| Environmental Disclosure | Product Environmental Profile   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | End of Life Information   |