



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RH10M
Range compatibility	A earth leakage current sensor TOA earth leakage current sensor
Relay application	Residual current protection relay

Complementary

Earthing system	IT TN-S TT
[Us] rated supply voltage	12...48 V DC 12...24 V AC at 50/60 Hz
Power consumption	4 VA
Type of measurement	Earth fault current internal measurement 80...100 %
Residual earth-leakage time delay adjustment type	Instantaneous 0.3 A
Test function	Local Remote test
Monitoring	Relay/Sensor link (continuous) Power supply (continuous) Electronics (continuous)
[Ithe] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
Product weight	0.3 kg
Mechanical robustness	Vibrations 2...13.2 Hz +/- 1 mm Vibrations 13.2...100 Hz 0.7 g IP protection IP40 conforming to IEC 60529 IP protection IP30 conforming to IEC 60529 IP protection IP20 conforming to IEC 60529 IK protection 2 joules IK07 conforming to EN 50102 Fire resistance conforming to IEC 60695-2-1
Earth-leakage protection class	Class A si Class AC
Overvoltage category	IV
Tamperproof of settings	Protected by sealable cover
Mounting support	DIN rail
Height	97 mm
Width	54 mm
Depth	74 mm
9 mm pitches	6

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Connections - terminals	<p>Screw terminal voltage presence 0.25...2.5 mm² flexible AWG 24...AWG 12</p> <p>Screw terminal voltage presence 0.2...4 mm² rigid AWG 24...AWG 12</p> <p>Screw terminal voltage presence 0.2...2.5 mm² flexible AWG 24...AWG 12</p> <p>Screw terminal sensor 0.25...0.5 mm² flexible AWG 26...AWG 16</p> <p>Screw terminal sensor 0.14...1.5 mm² rigid AWG 26...AWG 16</p> <p>Screw terminal sensor 0.14...1 mm² flexible AWG 26...AWG 16</p> <p>Screw terminal relay test and fault reset 0.25...0.5 mm² flexible AWG 26...AWG 16</p> <p>Screw terminal relay test and fault reset 0.14...1.5 mm² rigid AWG 26...AWG 16</p> <p>Screw terminal relay test and fault reset 0.14...1 mm² flexible AWG 26...AWG 16</p> <p>Screw terminal fault 0.25...2.5 mm² flexible AWG 24...AWG 12</p> <p>Screw terminal fault 0.2...4 mm² rigid AWG 24...AWG 12</p> <p>Screw terminal fault 0.2...2.5 mm² flexible AWG 24...AWG 12</p> <p>Terminal block auxiliary power supply 0.25...2.5 mm² flexible AWG 24...AWG 12</p> <p>Terminal block auxiliary power supply 0.2...2.5 mm² rigid AWG 24...AWG 12</p> <p>Terminal block auxiliary power supply 0.2...2.5 mm² flexible AWG 24...AWG 12</p>
Wire stripping length	<p>Voltage presence : 8 mm bottom</p> <p>Sensor : 5 mm top</p> <p>Relay test and fault reset : 5 mm bottom</p> <p>Fault : 8 mm bottom</p> <p>Auxiliary power supply : 7 mm top</p>
Tightening torque	<p>Voltage presence : 0.6 N.m bottom</p> <p>Sensor : 0.25 N.m top</p> <p>Relay test and fault reset : 0.25 N.m bottom</p> <p>Fault : 0.6 N.m bottom</p> <p>Auxiliary power supply : 0.6 N.m top</p>

Environment

Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C
Electromagnetic compatibility	<p>Radiated susceptibility : 3 conforming to IEC 61000-4-3</p> <p>Low-energy conducted susceptibility : 4 conforming to IEC 61000-4-4</p> <p>High-energy conducted susceptibility : 4 conforming to IEC 61000-4-5</p> <p>Electrostatic discharge immunity test : 4 conforming to IEC 61000-4-2</p> <p>Conducted radio-frequency immunity test : 3 conforming to IEC 61000-4-6</p> <p>Conducted and radiated emissions : B conforming to CISPR 11</p>
Class of protection against electric shock	Class II