



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RH99M
Product or component type	Residual current protection relay
Range compatibility	Vigirex RH TOA earth leakage current sensor Vigirex RH A earth leakage current sensor
Relay application	Residual current protection relay

Complementary

Earthing system	TT IT TN-S
[Us] rated supply voltage	48 V AC 50/60 Hz
Power consumption in VA	4 VA
Type of measurement	Earth fault current internal measurement, range: 80...100 %
Residual earth-leakage time delay adjustment type	Instantaneous 0.03 A Adjustable 9 settings 0.03...30 A 0...4.5 s
Test function	Remote test Local
Monitoring	Electronics (continuous) Power supply (continuous) Relay/Sensor link (continuous)
[Ithe] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
Net weight	0.3 Kg
Mechanical robustness	Fire resistance conforming to IEC 60695-2-1 IK protection 2 joules: IK07 conforming to EN 50102 IP protection: IP20 conforming to IEC 60529 IP protection: IP30 conforming to IEC 60529 IP protection: IP40 conforming to IEC 60529 Vibrations 13.2...100 Hz: 0.7 g Vibrations 2...13.2 Hz: +/- 1 mm
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
Connections - terminals	<p>Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 12</p> <p>Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm² rigid AWG 24...AWG 12</p> <p>Auxiliary power supply: terminal block cable(s) 0.25...2.5 mm² flexible AWG 24...AWG 12</p> <p>Fault: screw terminal cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 12</p> <p>Fault: screw terminal cable(s) 0.2...4 mm² rigid AWG 24...AWG 12</p> <p>Fault: screw terminal cable(s) 0.25...2.5 mm² flexible AWG 24...AWG 12</p> <p>Relay test and fault reset: screw terminal cable(s) 0.14...1 mm² flexible AWG 26...AWG 16</p> <p>Relay test and fault reset: screw terminal cable(s) 0.14...1.5 mm² rigid AWG 26...AWG 16</p> <p>Relay test and fault reset: screw terminal cable(s) 0.25...0.5 mm² flexible AWG 26...AWG 16</p> <p>Sensor: screw terminal cable(s) 0.14...1 mm² flexible AWG 26...AWG 16</p> <p>Sensor: screw terminal cable(s) 0.14...1.5 mm² rigid AWG 26...AWG 16</p> <p>Sensor: screw terminal cable(s) 0.25...0.5 mm² flexible AWG 26...AWG 16</p> <p>Voltage presence: screw terminal cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 12</p> <p>Voltage presence: screw terminal cable(s) 0.2...4 mm² rigid AWG 24...AWG 12</p> <p>Voltage presence: screw terminal cable(s) 0.25...2.5 mm² flexible AWG 24...AWG 12</p>
Wire stripping length	<p>Auxiliary power supply: 7 mm for top connection</p> <p>Fault: 8 mm for bottom connection</p> <p>Relay test and fault reset: 5 mm for bottom connection</p> <p>Sensor: 5 mm for top connection</p> <p>Voltage presence: 8 mm for bottom connection</p>
Tightening torque	<p>Auxiliary power supply: 0.6 N.m top</p> <p>Fault: 0.6 N.m bottom</p> <p>Relay test and fault reset: 0.25 N.m bottom</p> <p>Sensor: 0.25 N.m top</p> <p>Voltage presence: 0.6 N.m bottom</p>

Environment

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

Packing Units

Package 1 Weight	0.328 Kg
Package 1 Height	0.010 Dm
Package 1 width	0.800 Dm
Package 1 Length	0.800 Dm

Offer Sustainability

Sustainable offer status	Green Premium product
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

Contractual warranty

Warranty	18 months
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Product Life Status : Commercialised

56171 may be replaced by any of the following products:



56173

residual current protection relay, Vigirex RH99M, 30 mA to 30 A, 220 VAC to 240 VAC 50/60 Hz, local manual reset
Qty 1

Reason for Substitution: End of life | Substitution date: 01 Jan 2018 | Attention, nouvelle offre en 230Vca



56173

residual current protection relay, Vigirex RH99M, 30 mA to 30 A, 220 VAC to 240 VAC 50/60 Hz, local manual reset
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