Product datasheet Characteristics

56195

residual current monitoring relay, Vigirex RH99M, 30 mA to 30 A, 440 VAC to 525 VAC 50/60 Hz, automatic reset





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	Monitoring relay	

Complementary

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Main	Vigirex	
Range Range of product	Vigirex	
Device short name	RH99M	
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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	Monitoring relay	
Complementary		:
Earthing system	TT TN-S	
[Us] rated supply voltage	440525 V AC 50/60 Hz 70110 %	
Power consumption in VA	4 VA	
Type of measurement	Earth fault current internal measurement, range: 80100 %	
Threshold setting	0.0330 A alarm	
Residual earth-leakage time delay adjustment type	Adjustable 9 settings 0.130 A 04.5 s Instantaneous 0.0330 A	
Test function	Local Remote test	
Monitoring	Electronics (continuous) Power supply (continuous) Relay/sensor link (continuous)	
[Ithe] conventional enclosed thermal current	8 A	
Minimum load	10 mA at 12 V	
Product weight	0.3 kg	
Mechanical robustness	Fire resistance conforming to IEC 60695-2-1 Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	

Earth-leakage protection class	Class AC Class A si	
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	Auxiliary power supply: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Auxiliary power supply: terminal block cable(s) 0.22.5 mm² rigid AWG 24AWG 12 Auxiliary power supply: terminal block cable(s) 0.252.5 mm² flexible with ferrule AWG 24AWG 12 Fault: screw terminal cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Fault: screw terminal cable(s) 0.24 mm² rigid AWG 24AWG 12 Fault: screw terminal cable(s) 0.252.5 mm² flexible with ferrule AWG 24AWG 12 Relay test and fault reset: screw terminal cable(s) 0.141 mm² flexible AWG 26AWG 16 Relay test and fault reset: screw terminal cable(s) 0.141.5 mm² rigid AWG 26AWG 16 Relay test and fault reset: screw terminal cable(s) 0.250.5 mm² flexible with ferrule AWG 26AWG 16 Sensor: screw terminal cable(s) 0.141 mm² flexible AWG 26AWG 16 Sensor: screw terminal cable(s) 0.141 mm² rigid AWG 26AWG 16 Sensor: screw terminal cable(s) 0.250.5 mm² flexible with ferrule AWG 26AWG 16 Voltage presence: screw terminal cable(s) 0.22.5 mm² flexible with ferrule AWG 24AWG 12 Voltage presence: screw terminal cable(s) 0.24 mm² rigid AWG 24AWG 12 Voltage presence: screw terminal cable(s) 0.252.5 mm² flexible with ferrule AWG 24AWG 12	
Wire stripping length	Auxiliary power supply: 7 mm for top connection Fault: 8 mm for bottom connection Relay test and fault reset: 5 mm for bottom connection Sensor: 5 mm for top connection Voltage presence: 8 mm for bottom connection	
Tightening torque	Auxiliary power supply: 0.6 N.m top Fault: 0.6 N.m bottom Relay test and fault reset: 0.25 N.m bottom Sensor: 0.25 N.m top Voltage presence: 0.6 N.m bottom	

Environment

Ambient air temperature for operation	-3570 °C
Ambient air temperature for storage	-5585 °C
Electromagnetic compatibility	Conducted and radiated emissions: , B, conforming to CISPR 11 Conducted radio-frequency immunity test: , 3, conforming to IEC 61000-4-6 Electrostatic discharge immunity test: , 4, conforming to IEC 61000-4-2 High-energy conducted susceptibility: , 4, conforming to IEC 61000-4-5 Low-energy conducted susceptibility: , 4, conforming to IEC 61000-4-4 Radiated susceptibility: , 3, conforming to IEC 61000-4-3
Electrical shock protection class	Class II

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Compliant EU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	Yes	
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information	
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	

Contractual warranty

Warranty 18 months