



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RH99P
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 at 50/60 Hz
Power consumption in VA	4 VA
Type of measurement	Earth fault current internal measurement 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	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	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 Fire resistance conforming to IEC 60695-2-1
Earth-leakage protection class	Class AC Class A si
Overtoltage category	IV

Tamperproof of settings	Protected by sealable cover
Mounting support	Panel
Height	72 mm
Width	72 mm
Depth	78 mm
Connections - terminals	Terminal block auxiliary power supply 0.2...2.5 mm ² flexible AWG 24...AWG 12 Terminal block auxiliary power supply 0.2...2.5 mm ² rigid AWG 24...AWG 12 Terminal block fault 0.2...2.5 mm ² flexible AWG 24...AWG 12 Terminal block fault 0.2...2.5 mm ² rigid AWG 24...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm ² flexible AWG 24...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm ² rigid AWG 24...AWG 12 Terminal block sensor 0.2...2.5 mm ² flexible AWG 24...AWG 12 Terminal block sensor 0.2...2.5 mm ² rigid AWG 24...AWG 12 Terminal block voltage presence 0.2...2.5 mm ² flexible AWG 24...AWG 12 Terminal block voltage presence 0.2...2.5 mm ² rigid AWG 24...AWG 12 Terminal block auxiliary power supply 0.25...2.5 mm ² flexible AWG 24...AWG 12 Terminal block fault 0.25...2.5 mm ² flexible AWG 24...AWG 12 Terminal block relay test and fault reset 0.25...2.5 mm ² flexible AWG 24...AWG 12 Terminal block sensor 0.25...2.5 mm ² flexible AWG 24...AWG 12 Terminal block voltage presence 0.25...2.5 mm ² flexible AWG 24...AWG 12
Wire stripping length	Fault : 7 mm Sensor : 7 mm Voltage presence : 7 mm Auxiliary power supply : 7 mm Relay test and fault reset : 7 mm
Tightening torque	Auxiliary power supply : 0.6 N.m Fault : 0.6 N.m Relay test and fault reset : 0.6 N.m Sensor : 0.6 N.m Voltage presence : 0.6 N.m
Compatibility code	RH99P

Environment

Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °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

Contractual warranty

Warranty period	18 months
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