



### 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	IT TN-S TT
[Us] rated supply voltage	110...130 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 0.03 A 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	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	Panel
Height	72 mm
Width	72 mm
Depth	78 mm
Connections - terminals	Terminal block auxiliary power supply 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block auxiliary power supply 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Terminal block fault 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block fault 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Terminal block sensor 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block sensor 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Terminal block voltage presence 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block voltage presence 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Terminal block auxiliary power supply 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block fault 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Terminal block relay test and fault reset 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12

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Terminal block sensor 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12  
Terminal block voltage presence 0.25...2.5 mm<sup>2</sup> 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

## 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
class of protection against electric shock	Class II