



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 | 12...24 V AC at 50/60 Hz 12...48 V DC |
| 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 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Terminal block relay test and fault reset 0.25...2.5 mm² flexible AWG 24...AWG 12
Terminal block sensor 0.25...2.5 mm² flexible AWG 24...AWG 12
Terminal block voltage presence 0.25...2.5 mm² 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 |