



Main

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| 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

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| Earthing system | TN-S IT TT |
| [Us] rated supply voltage | 110...130 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 |

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| 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 | 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 Screw terminal fault 0.2...2.5 mm ² flexible AWG 24...AWG 12 Screw terminal fault 0.2...4 mm ² rigid AWG 24...AWG 12 Screw terminal relay test and fault reset 0.14...1 mm ² flexible AWG 26...AWG 16 Screw terminal relay test and fault reset 0.14...1.5 mm ² rigid AWG 26...AWG 16 Screw terminal sensor 0.14...1 mm ² flexible AWG 26...AWG 16 Screw terminal sensor 0.14...1.5 mm ² rigid AWG 26...AWG 16 Screw terminal voltage presence 0.2...2.5 mm ² flexible AWG 24...AWG 12 Screw terminal voltage presence 0.2...4 mm ² rigid AWG 24...AWG 12 Terminal block auxiliary power supply 0.25...2.5 mm ² flexible AWG 24...AWG 12 Screw terminal fault 0.25...2.5 mm ² flexible AWG 24...AWG 12 Screw terminal relay test and fault reset 0.25...0.5 mm ² flexible AWG 26...AWG 16 Screw terminal sensor 0.25...0.5 mm ² flexible AWG 26...AWG 16 Screw terminal voltage presence 0.25...2.5 mm ² flexible AWG 24...AWG 12 |
| Wire stripping length | Auxiliary power supply : 7 mm top Relay test and fault reset : 5 mm bottom Sensor : 5 mm top Fault : 8 mm bottom Voltage presence : 8 mm bottom |
| 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 |
| Compatibility code | RH99M |

Environment

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|---------------------------------------|---|
| 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

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| Warranty period | 18 months |
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