Earth-leakage relay RH10M - 100 mA - 24 V

**Main**

- **Range**: Vigirex
- **Range of product**: Vigirex
- **Device short name**: RH10M
- **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 50/60 Hz, 12...48 V DC
- **Power consumption in VA**: 4 VA
- **Type of measurement**: Earth fault current internal measurement, range: 80...100 %
- **Residual earth-leakage time delay adjustment type**: Instantaneous 0.1 A
- **Test function**: Remote test, Local
- **Monitoring**: Electronics (continuous), Power supply (continuous), Relay/sensor link (continuous)
- **[Ithe] conventional enclosed thermal current**: 8 A
- **Minimum load**: 10 mA at 12 V
- **Net 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

Disclaimer: 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.
Earth-leakage protection class
Class AC
Class A

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 cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 12
Fault: screw terminal cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 12
Relay test and fault reset: screw terminal cable(s) 0.14...1 mm² flexible AWG 26...AWG 16
Sensor: screw terminal cable(s) 0.14...1 mm² flexible AWG 26...AWG 16
Voltage presence: screw terminal cable(s) 0.2...2.5 mm² flexible AWG 24...AWG 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
-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

Offer Sustainability
Sustainable offer status
Green Premium product

REACH Regulation
REACH Declaration

EU RoHS Directive
Pro-active compliance (Product out of EU RoHS legal scope)
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 |