

Product datasheet

Specifications



Earth-leakage relay RHU - 0.03..30 A - 0.5 s - 240 V

28560

⚠ Discontinued on: 25 June 2016

⚠ Discontinued - Service only

Main

Range	Vigirex
Device Short Name	RHU
Product Or Component Type	Residual current protection relay
Relay Application	Residual current protection relay
Mounting Support	Panel
Earth-Leakage Protection Class	Class AC Class A
Type Of Setting	Internal bus Keypad
Earth-Leakage Time Delay	Adjustable 0...4.5 s for 0.03...30 A Instantaneous for 0.03 A
Threshold Setting	0.015...1 A adjustable in step of 0.001 A pre-alarm 1...30 A adjustable in step of 0.1 A pre-alarm 0.03...1 A adjustable in step of 0.001 A alarm 1...30 A adjustable in step of 0.1 A alarm
Current Sensors Compatibility	Vigirex TOA earth leakage current sensor Vigirex A earth leakage current sensor Vigirex L earth leakage current sensor
[Ithe] Conventional Enclosed Thermal Current	8 A
Minimum Load	10 mA at 12 V
[Us] Rated Supply Voltage	220...240 V AC 50/60 Hz
Power Consumption In Va	8 VA
Monitored Distribution System	1000 V - AC at 50/60 Hz (maximum) 1000 V - AC at 400 Hz (maximum)
Earthing System	TN-S TT IT

Complementary

Test Function	Remote test Remote test (via communication) Local
Monitoring	Electronics (continuous) Power supply (continuous) Relay/sensor link (continuous)
Signal Contacts Composition	1 NO
Type Of Measurement	Earth fault current internal measurement, range: 80...100 %, accuracy: +/- 10 %

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

Refresh Time	2 s
Communication Service	Supervision via internal bus
Tamperproof Of Settings	Protected by sealable cover
Connections - Terminals	Alarm circuit: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Alarm circuit: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Alarm circuit: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Auxiliary power supply: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Communication bus: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Communication bus: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Communication bus: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Fault: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Fault: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Fault: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Relay test and fault reset: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Sensor: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Sensor: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Sensor: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12 Voltage presence: terminal block cable(s) 0.2...2.5 mm² flexible AWG 22...AWG 12 Voltage presence: terminal block cable(s) 0.2...2.5 mm² rigid AWG 22...AWG 12 Voltage presence: terminal block cable(s) 0.25...2.5 mm² flexible AWG 22...AWG 12
Wire Stripping Length	Alarm circuit: 6 mm Auxiliary power supply: 6 mm Communication bus: 6 mm Fault: 6 mm Relay test and fault reset: 6 mm Sensor: 6 mm Voltage presence: 6 mm
Tightening Torque	Alarm circuit: 0.5 N.m Auxiliary power supply: 0.5 N.m Fault: 0.5 N.m Relay test and fault reset: 0.5 N.m Sensor: 0.5 N.m Voltage presence: 0.5 N.m
Width	72 mm
Height	72 mm
Depth	116 mm
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 Vibrations 2...13.2 Hz: +/- 1 mm

Environment

Overvoltage Category	IV
Electrical Shock Protection Class	Class II on communication output Class II on front face

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
Relative Humidity	95 % at 55 °C
Pollution Degree	3 conforming to IEC 60664-1
Ambient Air Temperature For Operation	-25...55 °C
Ambient Air Temperature For Storage	-40...85 °C

Contractual warranty

Warranty	18 months
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