



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RHU
Product or component type	Residual current protection relay
Range compatibility	Vigirex RHU TOA earth leakage current sensor Vigirex RHU A earth leakage current sensor
Relay application	Residual current protection relay

Complementary

Earthing system	TN-S IT TT
[Us] rated supply voltage	48 V AC at 50/60 Hz
Power consumption in VA	4 VA
Type of measurement	Earth fault current internal measurement 80...100 % +/- 10 %
Refresh time	2 s
Residual earth-leakage time delay adjustment type	Instantaneous 0.03 A Adjustable 0.03...30 A 0...4.5 s
Type of setting	Internal bus Keypad
Signal contacts composition	1 NO
Test function	Remote test Local Remote test (via communication)
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

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

Vibrations 2...13.2 Hz +/- 1 mm
 Fire resistance conforming to IEC 60695-2-1

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	116 mm
Connections - terminals	Terminal block alarm circuit 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block alarm circuit 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block auxiliary power supply 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block auxiliary power supply 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block communication bus 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block communication bus 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block voltage presence 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block voltage presence 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block alarm circuit 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block auxiliary power supply 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block communication bus 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block fault 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block fault 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block fault 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block relay test and fault reset 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block relay test and fault reset 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block sensor 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block sensor 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block sensor 0.25...2.5 mm ² flexible AWG 22...AWG 12 Terminal block voltage presence 0.25...2.5 mm ² flexible AWG 22...AWG 12
Wire stripping length	Auxiliary power supply : 6 mm Alarm circuit : 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	Sensor : 0.5 N.m 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 Voltage presence : 0.5 N.m
Communication service	Supervision via internal bus
Compatibility code	RHU

Environment

Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...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 on communication output Class II on front face

Contractual warranty

Warranty period	18 months
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