



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RMH
Product or component type	Monitoring relay
Range compatibility	Vigirex Vigirex RMH L rectangular sensor Vigirex Vigirex RMH RM12T multiplexer Vigirex Vigirex RMH TOA earth leakage current sensor Vigirex Vigirex RMH A earth leakage current sensor
Relay application	Current control relay Monitoring relay

Complementary

Earthing system	TN-S TT
[Us] rated supply voltage	220...240 V AC at 400 Hz 70...110 % 220...240 V AC at 50/60 Hz 70...110 %
Power consumption in VA	8 VA
Type of measurement	Earth fault current internal measurement 80...100 % +/- 10 %
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
Residual earth-leakage time delay adjustment type	Adjustable 0.03...30 A 0...5 s
Type of setting	Keypad Internal bus
Signal contacts composition	1 NO
Test function	Local
Monitoring	Electronics (continuous) Power supply (continuous) Relay/sensor link (continuous) Sensor/multiplexer RM12T and RM12T/RMH link (continuous)
[Ithe] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
Product weight	0.3 kg

IP degree of protection	IP40 front face conforming to IEC 60529 IP30 other parts conforming to IEC 60529 IP20 connection conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Mechanical robustness	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
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 alarm circuit 0.25...2.5 mm ² flexible with ferrule 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 auxiliary power supply 0.25...2.5 mm ² flexible with ferrule 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 communication bus 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12 Terminal block multiplexer connection 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block multiplexer connection 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block multiplexer connection 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12 Terminal block pre alarm 0.2...2.5 mm ² flexible AWG 22...AWG 12 Terminal block pre alarm 0.2...2.5 mm ² rigid AWG 22...AWG 12 Terminal block pre alarm 0.25...2.5 mm ² flexible with ferrule 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 voltage presence 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12
Wire stripping length	Auxiliary power supply : 6 mm Alarm circuit : 6 mm Communication bus : 6 mm Voltage presence : 6 mm Multiplexer connection : 6 mm Pre alarm : 6 mm
Tightening torque	Alarm circuit : 0.5 N.m Auxiliary power supply : 0.5 N.m Voltage presence : 0.5 N.m Communication bus : 0.5 N.m Multiplexer connection : 0.5 N.m Pre alarm : 0.5 N.m
Communication service	Supervision via internal bus

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

Contractual warranty

Warranty period	18 months
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