



Main

Range	Vigirex
Range of product	Vigirex
Device short name	RM12T
Product or component type	Monitoring relay
Range compatibility	Vigirex Vigirex RMH L rectangular sensor Vigirex Vigirex RMH TOA earth leakage current sensor Vigirex Vigirex RMH A earth leakage current sensor Vigirex Vigirex RMT RMH monitoring relay
Relay application	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	8 VA
Type of measurement	Earth fault current internal measurement 80...100 % +/- 10 %
Threshold setting	0.03...30 A alarm
Residual earth-leakage time delay adjustment type	Adjustable 0.03...30 A 0...5 s
Type of setting	Internal bus Keypad
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)
Product weight	0.42 kg
Mechanical robustness	Fire resistance conforming to IEC 60695-2-1 Vibrations 13.2...100 Hz : 0.7 g Vibrations 2...13.2 Hz : +/- 1 mm
Earth-leakage protection class	Class A si Class AC
Overvoltage category	IV
Mounting support	DIN rail
Height	81 mm
Width	106 mm
Depth	73.5 mm
9 mm pitches	12
Connections - terminals	Screw terminal auxiliary power supply 0.2...2.5 mm² flexible AWG 22...AWG 12 Screw terminal auxiliary power supply 0.2...2.5 mm² rigid AWG 22...AWG 12 Screw terminal auxiliary power supply 0.25...2.5 mm² flexible with ferrule AWG 22...AWG 12 Screw terminal earth leakage monitor 0.2...2.5 mm² flexible AWG 22...AWG 12 Screw terminal earth leakage monitor 0.2...2.5 mm² rigid AWG 22...AWG 12 Screw terminal earth leakage monitor 0.25...2.5 mm² flexible with ferrule AWG 22...AWG 12 Screw terminal sensor 0.2...2.5 mm² flexible AWG 22...AWG 12 Screw terminal sensor 0.2...2.5 mm² rigid AWG 22...AWG 12 Screw terminal sensor 0.25...2.5 mm² flexible with ferrule AWG 22...AWG 12
Wire stripping length	Earth leakage monitor : 6 mm bottom Auxiliary power supply : 6 mm bottom Sensor : 6 mm bottom

	Sensor : 6 mm top
Tightening torque	Auxiliary power supply : 0.5 N.m bottom Earth leakage monitor : 0.5 N.m bottom Sensor : 0.5 N.m bottom Sensor : 0.5 N.m top
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