



Main

Range	Vigirex
Device short name	RM12T
Product or component type	Multiplexer
Relay application	Monitoring relay
Mounting support	DIN rail
Current sensors compatibility	RMH monitoring relay
[I _{th}] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
[U _s] rated supply voltage	220...240 V AC 50/60 Hz 70...110 %
Power consumption in VA	8 VA

Complementary

Test function	Local
Monitoring	Electronics (continuous) Power supply (continuous) Relay/Sensor link (continuous) Sensor/multiplexer RM12T and RM12T/RMH link (continuous)
Signal contacts composition	1 NO
Type of measurement	Earth fault current internal measurement, range: 80...100 %, accuracy: +/- 10 %
Communication service	Supervision via internal bus
Connections - terminals	Auxiliary power supply: screw terminal cable(s) 0.2...2.5 mm ² flexible AWG 22...AWG 12 Auxiliary power supply: screw terminal cable(s) 0.2...2.5 mm ² rigid AWG 22...AWG 12 Auxiliary power supply: screw terminal cable(s) 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12 Earth leakage monitor: screw terminal cable(s) 0.2...2.5 mm ² flexible AWG 22...AWG 12 Earth leakage monitor: screw terminal cable(s) 0.2...2.5 mm ² rigid AWG 22...AWG 12 Earth leakage monitor: screw terminal cable(s) 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12 Sensor: screw terminal cable(s) 0.2...2.5 mm ² flexible AWG 22...AWG 12 Sensor: screw terminal cable(s) 0.2...2.5 mm ² rigid AWG 22...AWG 12 Sensor: screw terminal cable(s) 0.25...2.5 mm ² flexible with ferrule AWG 22...AWG 12
Wire stripping length	Auxiliary power supply: 6 mm for bottom connection Earth leakage monitor: 6 mm for bottom connection Sensor: 6 mm for bottom connection Sensor: 6 mm for top connection
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
9 mm pitches	12
Width	106 mm
Height	81 mm
Depth	73.5 mm

Net weight	0.42 kg
IP degree of protection	IP40 on front face: conforming to EN/IEC 60529 IP30 on side parts: conforming to EN/IEC 60529 IP20 on connection terminals: conforming to EN/IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Mechanical robustness	Fire resistance conforming to IEC 60695-2-1 IK protection 2 joules: IK07 conforming to EN 50102 Vibrations 13.2...100 Hz: 0.7 g Vibrations 2...13.2 Hz: +/- 1 mm



Environment

Overvoltage category	IV
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	471 g
Package 1 Height	9.2 cm
Package 1 width	9.5 cm
Package 1 Length	11.5 cm
Unit Type of Package 2	S04
Number of Units in Package 2	24
Package 2 Weight	12.07 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information

Contractual warranty

Warranty	18 months
----------	-----------