

Product datasheet

Specifications



Monitoring relay Vigirex RM12T - 30 mA..30 A - 220..240 V AC

Local distributor code:
399350199 28566

EAN Code: 3303430285663

Main

Range	VigiPacT
Device short name	RM12T
Product or component type	Multiplexer
Relay application	Monitoring relay
Mounting support	DIN rail
Current sensors compatibility	VigiPacT 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

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

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
Standards	EN/IEC 60947-2 Annex M EN/IEC 60755
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 Height	9.5 cm
Package 1 Width	9.2 cm
Package 1 Length	11.5 cm
Package 1 Weight	471.0 g
Unit Type of Package 2	S04
Number of Units in Package 2	24
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	12.07 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	0eb413da-79af-46da-8028-61c9b7f5b981

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins