Product datasheet

Specifications



residual current protection relay, Vigirex RH197P, 30 mA to 30 A, 220/240 VAC 50/60Hz, alarm 50%, front panel mounting

Local distributor code:

399358463 56507

EAN Code: 3303430565079

Main

Range	VigiPacT
Device short name	RH197P
Product or component type	Residual current protection relay
Relay application	Protection relay
Mounting support	Front panel
Earth-leakage protection class	Type A
Type of setting	Selector
Residual earth-leakage sensitity adjustment type	Adjustable 19 settings
Earth-leakage sensitivity	0.03…30 A
Earth-leakage time delay	Instantaneous for 0.03 A Adjustable 7 settings 0…4.5 s for 0.03…30 A
Alarm threshold	50 %
Current sensors compatibility	VigiPacT TOA earth leakage current sensor VigiPacT A earth leakage current sensor VigiPacT L earth leakage current sensor
[Ithe] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
[Us] rated supply voltage	220...240 V AC 50/60 Hz 70...110 %
Power consumption in VA	4 VA
Monitored distribution system	1000 V - AC at 50/60 Hz (maximum) 1000 V - AC at 400 Hz (maximum)
Earthing system	IT TT TN-S
[Uimp] rated impulse withstand voltage	8 kV
Reset	Manual reset Automatic reset

Complementary

Test function	Local Remote test
Monitoring	Electronics (watchdog) Power supply (continuous) Relay/sensor link (continuous)
Signal contacts composition	1 NO
Type of measurement	Earth fault current internal measurement, range: 80...100 %

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

Refresh time	0.5 s
Tamperproof of settings	Protected by sealable cover
Connections - terminals	Auxiliary power supply: terminal block cable(s) 0.2…2.5 mm² flexible 24 AWG...12 AWG Auxiliary power supply: terminal block cable(s) 0.2…2.5 mm² rigid 24 AWG...12 AWG Auxiliary power supply: terminal block cable(s) 0.25…2.5 mm² flexible 24 AWG...12 AWG Fault: terminal block cable(s) 0.2…2.5 mm² flexible 24 AWG...12 AWG Fault: terminal block cable(s) 0.2…2.5 mm² rigid 24 AWG...12 AWG Fault: terminal block cable(s) 0.25…2.5 mm² flexible 24 AWG...12 AWG Relay test and fault reset: terminal block cable(s) 0.2…2.5 mm² flexible 24 AWG...12 AWG Relay test and fault reset: terminal block cable(s) 0.2…2.5 mm² rigid 24 AWG...12 AWG Relay test and fault reset: terminal block cable(s) 0.25…2.5 mm² flexible 24 AWG... 12 AWG Sensor: terminal block cable(s) 0.2…2.5 mm² flexible 24 AWG...12 AWG Sensor: terminal block cable(s) 0.2…2.5 mm² rigid 24 AWG...12 AWG Sensor: terminal block cable(s) 0.25…2.5 mm² flexible 24 AWG...12 AWG Voltage presence: terminal block cable(s) 0.2…2.5 mm² flexible 24 AWG...12 AWG Voltage presence: terminal block cable(s) 0.2…2.5 mm² rigid 24 AWG...12 AWG Voltage presence: terminal block cable(s) 0.25…2.5 mm² flexible 24 AWG...12 AWG
Wire stripping length	Auxiliary power supply: 7 mm Fault: 7 mm Relay test and fault reset: 7 mm Sensor: 7 mm Voltage presence: 7 mm
Tightening torque	Auxiliary power supply: 0.6 N.m Fault: 0.6 N.m Relay test and fault reset: 0.6 N.m Sensor: 0.6 N.m Voltage presence: 0.6 N.m
Standards	EN/IEC 60947-2 Annex M EN/IEC 60755
Width	72 mm
Height	72 mm
Depth	92 mm
Cut-out dimensions	68 x 68 mm
Product weight	0.3 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
Electrical shock protection class	Class II
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	10.5 cm
Package 1 Width	8.5 cm
Package 1 Length	9.0 cm
Package 1 Weight	336.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.551 kg

Logistical informations

Country of origin	IT

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Total lifecycle Carbon footprint	**50 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**46 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.8 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**0fcbb371-5812-42ce-8235-09bb9ad3d07d**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**27**
End of life manual availability	End of Life Information
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**