Product datasheet

Specification





Earth-leakage relay RH197P - 0.03..30 A - 0..4.5 s - 230 V

56507

Main

Walli	
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	0.0330 A
Earth-Leakage Time Delay	Instantaneous for 0.03 A Adjustable 7 settings 04.5 s for 0.0330 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	220240 V AC 50/60 Hz 70110 %
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

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: 80100 %	

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Auxiliary power supply: terminal block cable(s) 0.22.5 mm² rigid AWG 24A Auxiliary power supply: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG 12 Fault: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Fault: terminal block cable(s) 0.22.5 mm² rigid AWG 24AWG 12 Fault: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG 12 Relay test and fault reset: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Relay test and fault reset: terminal block cable(s) 0.22.5 mm² rigid AWG 24AWG 12 Relay test and fault reset: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Sensor: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Sensor: terminal block cable(s) 0.22.5 mm² rigid AWG 24AWG 12 Sensor: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Voltage presence: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12 Voltage presence: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG Voltage presence: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG	Refresh Time	0.5 s
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Depth 92 mm Cut-Out Dimensions 68 x 68 mm Net Weight 0.3 kg Ip Degree Of Protection IP40 on front face: conforming to EN/IEC 60529		
Cut-Out Dimensions 68 x 68 mm 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 IR 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 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm		
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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 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 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	Cut-Out Dimensions	68 x 68 mm
IP30 on side parts: conforming to EN/IEC 60529 IP20 on connection terminals: conforming to EN/IEC 60529 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 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	Net Weight	0.3 kg
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 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	Ip Degree Of Protection	· · · · · · · · · · · · · · · · · · ·
Mechanical Robustness Fire resistance conforming to IEC 60695-2-1 IK protection 2 joules: IK07 conforming to EN 50102 Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm		
Mechanical Robustness Fire resistance conforming to IEC 60695-2-1 IK protection 2 joules: IK07 conforming to EN 50102 Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm		IP20 on connection terminals: conforming to EN/IEC 60529
IK protection 2 joules: IK07 conforming to EN 50102 Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	lk Degree Of Protection	IK07 conforming to EN 50102
Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	Mechanical Robustness	•
Vibrations 213.2 Hz: +/- 1 mm		
Environment		VIDIAUOIIS Z 13.2 □Z: +/- 1 IIIIII
Environment	Environment	
Environment .	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	-2555 °C
Ambient Air Temperature For Storage	-4085 °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

Contractual warranty

Warranty 12 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO2 products.

Learn more >





Transparency RoHS/REACh

Well-being performance





Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information