Product datasheet

Specification





Residual current protection relay, VigiPacT RH197P, 30mA-30A, 380/415VAC 50/60Hz, alarm 50%, front panel mounting

56508

Main

Mani		
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	380415 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	TT IT TN-S	
[Uimp] Rated Impulse Withstand Voltage	8 kV	
Reset	Manual reset Automatic reset	

Complementary

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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 %	

Refresh Time	0.5 s
Tamperproof Of Settings	Protected by sealable cover
Connections - Terminals	Auxiliary power supply: terminal block cable(s) 0.22.5 mm² flexible AWG 24AWG 12
	Auxiliary power supply: terminal block cable(s) 0.22.5 mm² rigid AWG 24AWG 12 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) 0.252.5 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) 0.252.5 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 rigid AWG 24AWG 12
	Voltage presence: terminal block cable(s) 0.252.5 mm² flexible AWG 24AWG 12
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 UL 1053
	CAN/CSA C22.2 No. 144
Width	72 mm
Height	72 mm
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
	IP30 on side parts: conforming to EN/IEC 60529 IP20 on connection terminals: conforming to EN/IEC 60529
	<u> </u>
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
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

95 % at 55 °C

3 conforming to IEC 60664-1

Relative Humidity

Pollution Degree

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	8.5 cm
Package 1 Width	8.0 cm
Package 1 Length	10.0 cm
Package 1 Weight	334.0 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	8.503 kg

Contractual warranty

Warranty 18 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.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
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