# Product data sheet Characteristics

# 56507

Residual current protection relay, VigiPacT RH197P, 30mA-30A, 220/240VAC 50/60Hz, alarm 50%, front panel mounting





#### 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	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	
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: 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 mm <sup>2</sup> 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	
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

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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		

Life Is On Life Is On

### **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	

# Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑REACh Declaration	
EU RoHS Directive	Compliant with Exemptions	
Mercury free	Yes	
China RoHS Regulation	China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End Of Life Information	
WEEE	The product must be disposed on European Union markets following spe waste collection and never end up in rubbish bins	

### Contractual warranty

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Warranty	18 mo	nths