# **Product datasheet**

Specification





Residual current protection relay, VigiPacT RH10P, 100mA, 12/24VAC 50/60Hz, 12/48VDC, front panel mounting

56202

! Discontinued on: 7 Apr 2021

! End-of-service on: 23 Feb 2021



### Main

Range	VigiPacT
Device Short Name	RH10P
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	None
Residual Earth-Leakage Sensitity Adjustment Type	Fixed
Earth-Leakage Sensitivity	0.1 A
Earth-Leakage Time Delay	Instantaneous
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	1224 V AC 50/60 Hz 55120 % 1248 V DC 55120 %
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	TN-S TT IT
[Uimp] Rated Impulse Withstand Voltage	8 kV
Reset	Manual reset

### Complementary

Test Function	Local Remote test
Monitoring	Electronics (continuous) Power supply (continuous) Relay/sensor link (continuous)
Type Of Measurement	Earth fault current internal measurement, range: 80100 %

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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	
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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	78 mm	
Cut-Out Dimensions	68 x 68 mm	
Net Weight	0.3 kg	
lp 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	
lk 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
Relative Humidity	95 % at 55 °C
Pollution Degree	3 conforming to IEC 60664-1

Ambient Air Temperature For Operation	-3570 °C
Ambient Air Temperature For Storage	-5585 °C

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

## **Contractual warranty**

Warranty 18 months



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### Well-being performance



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Rohs Exemption Information

Yes

#### **Certifications & Standards**

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