# **Product datasheet**





Residual current protection relay, VigiPacT RH10P, 500mA, 220/240VAC 50/60Hz, front panel mounting

56236

! Discontinued on: 7 Apr 2021

! End-of-service on: 23 Feb 2021

#### ! Discontinued

#### 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	0.5 A	
Earth-Leakage Time Delay	Instantaneous	
<b>Current Sensors Compatibility</b>	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 55110 %	
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 TN-S 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
	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	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
	VIDIALIONS 13.2100 Hz. 0.7 g

### **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