Product datasheet

Specifications

Green Premium™

Discontinued

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

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
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	220...240 V AC 50/60 Hz 55...110 %
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: 80...100 %

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Tamperproof Of Settings	Protected by sealable cover
Connections - Terminals	Auxiliary power supply: terminal block cable(s) 0.2…2.5 mm² flexible AWG 24...AWG 12 Auxiliary power supply: terminal block cable(s) 0.2…2.5 mm² rigid AWG 24...AWG 12 Auxiliary power supply: terminal block cable(s) 0.25…2.5 mm² flexible AWG 24...AWG 12 Fault: terminal block cable(s) 0.2…2.5 mm² flexible AWG 24...AWG 12 Fault: terminal block cable(s) 0.2…2.5 mm² rigid AWG 24...AWG 12 Fault: terminal block cable(s) 0.25…2.5 mm² flexible AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2…2.5 mm² flexible AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2…2.5 mm² rigid AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.25…2.5 mm² flexible AWG 24...AWG 12 Sensor: terminal block cable(s) 0.2…2.5 mm² flexible AWG 24...AWG 12 Sensor: terminal block cable(s) 0.2…2.5 mm² rigid AWG 24...AWG 12 Sensor: terminal block cable(s) 0.25…2.5 mm² flexible AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.2…2.5 mm² flexible AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.2…2.5 mm² rigid AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.25…2.5 mm² flexible AWG 24...AWG 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
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 13.2...100 Hz: 0.7 g Vibrations 2...13.2 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	-35…70 °C
Ambient Air Temperature For Storage	-55…85 °C

Packing Units

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

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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 >

RoHS/REACh

Well-being performance

Mercury Free

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