

Product data sheet

Specifications



Residual current protection relay,
VigiPacT RH10P, 30mA,
220/240VAC 50/60Hz, front panel
mounting

56230

Product availability: Non-Stock - Not normally stocked in
distribution facility

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 sensinty adjustment type	Fixed
Earth-leakage sensitivity	0.03 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 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 50/60 Hz maximum) 1000 V - AC 400 Hz maximum)
Earthing system	TN-S TT IT
[Uimp] rated impulse withstand voltage	8 kV
Reset	Manual reset

Complementary

Test function	Remote test Local
Monitoring	Electronics continuous) Power supply continuous) Relay/sensor link continuous)
Type of measurement	Earth fault current internal measurement 80...100 %
Tamperproof of settings	Protected by sealable cover

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Connections - terminals	Auxiliary power supply terminal block 0.0003...0.004 in² (0.2...2.5 mm²) flexible AWG 24...AWG 12 Auxiliary power supply terminal block 0.0003...0.004 in² (0.2...2.5 mm²) rigid AWG 24...AWG 12 Auxiliary power supply terminal block 0.0004...0.004 in² (0.25...2.5 mm²) flexible AWG 24...AWG 12 Fault terminal block 0.0003...0.004 in² (0.2...2.5 mm²) flexible AWG 24...AWG 12 Fault terminal block 0.0003...0.004 in² (0.2...2.5 mm²) rigid AWG 24...AWG 12 Fault terminal block 0.0004...0.004 in² (0.25...2.5 mm²) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.0003...0.004 in² (0.2...2.5 mm²) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.0003...0.004 in² (0.2...2.5 mm²) rigid AWG 24...AWG 12 Relay test and fault reset terminal block 0.0004...0.004 in² (0.25...2.5 mm²) flexible AWG 24...AWG 12 Sensor terminal block 0.0003...0.004 in² (0.2...2.5 mm²) flexible AWG 24...AWG 12 Sensor terminal block 0.0003...0.004 in² (0.2...2.5 mm²) rigid AWG 24...AWG 12 Sensor terminal block 0.0004...0.004 in² (0.25...2.5 mm²) flexible AWG 24...AWG 12 Voltage presence terminal block 0.0003...0.004 in² (0.2...2.5 mm²) flexible AWG 24...AWG 12 Voltage presence terminal block 0.0003...0.004 in² (0.2...2.5 mm²) rigid AWG 24...AWG 12 Voltage presence terminal block 0.0004...0.004 in² (0.25...2.5 mm²) flexible AWG 24...AWG 12
Wire stripping length	Auxiliary power supply: 0.3 in (7 mm) Fault: 0.3 in (7 mm) Relay test and fault reset: 0.3 in (7 mm) Sensor: 0.3 in (7 mm) Voltage presence: 0.3 in (7 mm)
Tightening torque	Auxiliary power supply: 5.3 lbf.in (0.6 N.m) Fault: 5.3 lbf.in (0.6 N.m) Relay test and fault reset: 5.3 lbf.in (0.6 N.m) Sensor: 5.3 lbf.in (0.6 N.m) Voltage presence: 5.3 lbf.in (0.6 N.m)
Standards	EN/IEC 60947-2 Annex M EN/IEC 60755 UL 1053 CAN/CSA C22.2 No. 144
Width	2.8 in (72 mm)
Height	2.8 in (72 mm)
Depth	3.07 in (78 mm)
Cut-out dimensions	68 x 68 mm
Net Weight	0.7 lb(US) (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 IEC 60695-2-1 IK protection 2 joulesIK07 EN 50102 Vibrations 13.2...100 Hz0.7 g Vibrations 2...13.2 Hz+/- 1 mm
Environment	
Overvoltage category	IV
Electrical shock protection class	Class II
Electromagnetic compatibility	Conducted and radiated emissionsB CISPR 11 Conducted radio-frequency immunity test3 IEC 61000-4-6 Electrostatic discharge immunity test4 IEC 61000-4-2 High-energy conducted susceptibility4 IEC 61000-4-5 Low-energy conducted susceptibility4 IEC 61000-4-4 Radiated susceptibility3 IEC 61000-4-3
Relative humidity	95 % 131 °F (55 °C)

Pollution degree	3 IEC 60664-1
Ambient Air Temperature for Operation	-31...158 °F (-35...70 °C)
Ambient Air Temperature for Storage	-67...185 °F (-55...85 °C)

Ordering and shipping details

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3303430562306
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.8 in (7.2 cm)
Package 1 Width	3.07 in (7.8 cm)
Package 1 Length	2.8 in (7.2 cm)
Package weight(Lbs)	11.5 oz (325 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	50 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	46 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.8 kg CO2 eq.

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	8af12683-aae8-419e-8a47-9e36829e7603
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Halogen content performance	Product contains halogen above thresholds

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Recyclability potential, in %	27
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

