

# Product data sheet

## Characteristics

56230

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



### 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 sensitivity adjustment type	Fixed
Earth-leakage sensitivity	0.03 A
Earth-leakage time delay	Instantaneous
Current sensors compatibility	VigiPacT TOA earth leakage current sensor[RETURN]VigiPacT A earth leakage current sensor[RETURN]VigiPacT L earth leakage current sensor
[lthe] 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

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## 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
Connections - terminals	Auxiliary power supply terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Auxiliary power supply terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid AWG 24...AWG 12 Auxiliary power supply terminal block 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Fault terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Fault terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid AWG 24...AWG 12 Fault terminal block 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible AWG 24...AWG 12
Wire stripping length	Auxiliary power supply: 0.28 in (7 mm) Fault: 0.28 in (7 mm) Relay test and fault reset: 0.28 in (7 mm) Sensor: 0.28 in (7 mm) Voltage presence: 0.28 in (7 mm)
Tightening torque	Auxiliary power supply: 5.31 lbf.in (0.6 N.m) Fault: 5.31 lbf.in (0.6 N.m) Relay test and fault reset: 5.31 lbf.in (0.6 N.m) Sensor: 5.31 lbf.in (0.6 N.m) Voltage presence: 5.31 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	2.83 in (72 mm)
Height	2.83 in (72 mm)
Depth	3.07 in (78 mm)
Cut-out dimensions	68 x 68 mm
Net Weight	0.66 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 joules IK07 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 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
Number of Units in Package 1	1
Package 1 Height	2.83 in (7.2 cm)
Package 1 Width	3.07 in (7.8 cm)
Package 1 Length	2.83 in (7.2 cm)
Package 1 Weight	11.46 oz (325 g)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
RoHS exemption information	<input checked="" type="checkbox"/> Yes
Environmental Disclosure	<input checked="" type="checkbox"/> <a href="#">Product Environmental Profile</a>
Circularity Profile	<input checked="" type="checkbox"/> <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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