

# Product data sheet

Specifications



## Residual current protection relay, VigiPacT Rh21P, 30mA or 300mA, 380/415VAC 50/60Hz, front panel mounting

56264

### Main

Range	VigiPacT
Device short name	RH21P
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	Selector
Residual earth-leakage sensitivity adjustment type	Adjustable 2 settings
Earth-leakage sensitivity	0.03 A 0.3 A
Earth-leakage time delay	Instantaneous for 0.03 A Instantaneous for 0.3 A Fixed 0.06 s for 0.3 A
Current sensors compatibility	VigiPacT TOA earth leakage current sensor VigiPacT A earth leakage current sensor VigiPacT L earth leakage current sensor
[I <sub>th</sub> ] conventional enclosed thermal current	8 A
Minimum load	10 mA at 12 V
[U <sub>s</sub> ] rated supply voltage	380...415 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	IT TT TN-S
[U <sub>imp</sub> ] 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)

<b>Type of measurement</b>	Earth fault current internal measurement, range: 80...100 %
<b>Tamperproof of settings</b>	Protected by sealable cover
<b>Connections - terminals</b>	Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Auxiliary power supply: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Fault: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Fault: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Fault: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Relay test and fault reset: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Sensor: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Sensor: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Sensor: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12 Voltage presence: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12
<b>Wire stripping length</b>	Auxiliary power supply: 7 mm Fault: 7 mm Relay test and fault reset: 7 mm Sensor: 7 mm Voltage presence: 7 mm
<b>Tightening torque</b>	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
<b>Width</b>	72 mm
<b>Height</b>	72 mm
<b>Depth</b>	78 mm
<b>Cut-out dimensions</b>	68 x 68 mm
<b>Net weight</b>	0.3 kg
<b>IP degree of protection</b>	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
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Mechanical robustness</b>	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
<b>Environment</b>	
<b>Overvoltage category</b>	IV
<b>Electrical shock protection class</b>	Class II
<b>Electromagnetic compatibility</b>	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
<b>Relative humidity</b>	95 % at 55 °C
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>Ambient air temperature for operation</b>	-35...70 °C
<b>Ambient air temperature for storage</b>	-55...85 °C
<b>Packing Units</b>	
<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	0.1 cm

Package 1 Width	8 cm
Package 1 Length	8 cm
Package 1 Weight	392 g

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<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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## Recommended replacement(s)