

# Product datasheet

Specifications



residual current protection relay,  
Vigirex RH99P, 30 mA to 30 A,  
220/240 VAC 50/60 Hz, front panel  
mounting

Local distributor code:

399357943

56273

EAN Code: 3303430562733

## Main

Range	VigiPacT
Device Short Name	RH99P
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 9 settings
Earth-Leakage Sensitivity	0.03...30 A
Earth-Leakage Time Delay	Instantaneous for 0.03 A Adjustable 9 settings 0...4.5 s for 0.03...30 A
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	IT TT TN-S
[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 %
Tamperproof Of Settings	Protected by sealable cover

<b>Connections - Terminals</b>	<p>Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> rigid AWG 24...AWG 12</p> <p>Auxiliary power supply: terminal block cable(s) 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Fault: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Fault: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> rigid AWG 24...AWG 12</p> <p>Fault: terminal block cable(s) 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> rigid AWG 24...AWG 12</p> <p>Relay test and fault reset: terminal block cable(s) 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Sensor: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Sensor: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> rigid AWG 24...AWG 12</p> <p>Sensor: terminal block cable(s) 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Voltage presence: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p> <p>Voltage presence: terminal block cable(s) 0.2...2.5 mm<sup>2</sup> rigid AWG 24...AWG 12</p> <p>Voltage presence: terminal block cable(s) 0.25...2.5 mm<sup>2</sup> flexible AWG 24...AWG 12</p>
--------------------------------	---

<b>Wire Stripping Length</b>	<p>Auxiliary power supply: 7 mm</p> <p>Fault: 7 mm</p> <p>Relay test and fault reset: 7 mm</p> <p>Sensor: 7 mm</p> <p>Voltage presence: 7 mm</p>
------------------------------	--

<b>Tightening Torque</b>	<p>Auxiliary power supply: 0.6 N.m</p> <p>Fault: 0.6 N.m</p> <p>Relay test and fault reset: 0.6 N.m</p> <p>Sensor: 0.6 N.m</p> <p>Voltage presence: 0.6 N.m</p>
--------------------------	---

<b>Standards</b>	<p>EN/IEC 60947-2 Annex M</p> <p>EN/IEC 60755</p> <p>UL 1053</p> <p>CAN/CSA C22.2 No. 144</p>
------------------	---

<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>	<p>IP40 on front face: conforming to EN/IEC 60529</p> <p>IP30 on side parts: conforming to EN/IEC 60529</p> <p>IP20 on connection terminals: conforming to EN/IEC 60529</p>
--------------------------------	---

<b>Ik Degree Of Protection</b>	IK07 conforming to EN 50102
--------------------------------	-----------------------------

<b>Mechanical Robustness</b>	<p>Fire resistance conforming to IEC 60695-2-1</p> <p>IK protection 2 joules: IK07 conforming to EN 50102</p> <p>Vibrations 13.2...100 Hz: 0.7 g</p> <p>Vibrations 2...13.2 Hz: +/- 1 mm</p>
------------------------------	--

## Environment

<b>Overvoltage Category</b>	IV
-----------------------------	----

<b>Electrical Shock Protection Class</b>	Class II
--	----------

<b>Electromagnetic Compatibility</b>	<p>Conducted and radiated emissions: , B, conforming to CISPR 11</p> <p>Conducted radio-frequency immunity test: , 3, conforming to IEC 61000-4-6</p> <p>Electrostatic discharge immunity test: , 4, conforming to IEC 61000-4-2</p> <p>High-energy conducted susceptibility: , 4, conforming to IEC 61000-4-5</p> <p>Low-energy conducted susceptibility: , 4, conforming to IEC 61000-4-4</p> <p>Radiated susceptibility: , 3, conforming to IEC 61000-4-3</p>
--------------------------------------	--

<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
--	-------------

---

Ambient Air Temperature For Storage -55...85 °C

## Packing Units

---

Unit Type Of Package 1 PCE

---

Number Of Units In Package 1 1

---

Package 1 Height 7.8 cm

---

Package 1 Width 8.8 cm

---

Package 1 Length 8.7 cm

---

Package 1 Weight 308.0 g

---

Unit Type Of Package 2 S03

---

Number Of Units In Package 2 36

---

Package 2 Height 30.0 cm

---

Package 2 Width 30.0 cm

---

Package 2 Length 40.0 cm

---

Package 2 Weight 11.575 kg

## 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<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.



Transparency [RoHS/RECh](#)

## Well-being performance

Mercury Free

RoHS Exemption Information [Yes](#)

## Certifications & Standards

<b>Reach Regulation</b>	<a href="#">RECh Declaration</a>
<b>Eu RoHS Directive</b>	Compliant with Exemptions
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Weee</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>