

# Product data sheet

Specifications



Closed toroid A type, VigiPacT, Vigilohm, PA50, inner diameter 50mm, rated current 85A

50438

## Main

Range	VigiPacT
Device Short Name	PA50
Product Or Component Type	Earth leakage current sensor
Device Application	Equipment monitoring and control
Range Compatibility	VigiPacT RH10M residual current protection relay VigiPacT RH10P residual current protection relay VigiPacT RH21M residual current protection relay VigiPacT RH21P residual current protection relay VigiPacT RH68M residual current protection relay VigiPacT RH86M residual current protection relay VigiPacT RH86P residual current protection relay VigiPacT RH99M residual current protection relay VigiPacT RH99P residual current protection relay VigiPacT RH197M residual current protection relay VigiPacT RH197P residual current protection relay VigiPacT RHU residual current protection relay VigiPacT RHUs residual current protection relay VigiPacT RMH residual current protection relay
Current Sensor Type	A type closed toroid
[Ie] Rated Operational Current	85 A

## Complementary

Transformer Ratio	1/1000
Network Type	AC/DC
Network Frequency	45...440 Hz
[Icw] Rated Short-Time Withstand Current	85 kA 0.5 s
Residual Short-Circuit Withstand Current	85 kA / 0.5 s IEC 60947-2
[Ui] Rated Insulation Voltage	1000 V
Overvoltage Category	IV
[Uimp] Rated Impulse Withstand Voltage	12 kV
Mounting Mode	Fixed plain backplate) Fixed profiled sheet metal) Fixed slotted backplate) Clip-on DIN rail) Clip-on Vigirex relay)
Calorific Value	1.42 MJ
Connections - Terminals	Screw connection 0.00 in² (0.22 mm²)
Diameter	Inner 1.97 in (50 mm)
Cable Outer Diameter	0.98 in (25 mm) 0.08 in² (50 mm²)

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

Net Weight	0.44 lb(US) (0.2 kg)
Height	4.25 in (108 mm)
Width	3.46 in (88 mm)
Depth	1.14 in (29 mm)

## Environment

Ip Degree Of Protection	Connectors IP20 IP30
Environmental Characteristic	Exposure to damp heat not in service 25...55 °C, RH 95 %) 28 cycles IEC 60068-2-30 Salt mistKb/2 IEC 60068-2-52 Exposure to damp heat in servicecategory C2 48 hours IEC 60068-2-56
Pollution Degree	Level 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)
Standards	IEC 60947-2
Product Certifications	CE

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.57 in (4 cm)
Package 1 Width	5.04 in (12.8 cm)
Package 1 Length	6.73 in (17.1 cm)
Package 1 Weight	6.35 oz (180 g)
Unit Type Of Package 2	S04
Number Of Units In Package 2	100
Package 2 Height	11.81 in (30 cm)
Package 2 Width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Package 2 Weight	41.37 lb(US) (18.766 kg)

## Contractual warranty

Warranty	18 months
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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.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

## Certifications & Standards

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