

# Product datasheet

Specifications



Closed toroid A type, VigiPacT, Vigilohm, IA80, inner diameter 80mm, rated current 160A

50439

## Main

Range	VigiPacT
Device Short Name	IA80
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	160 A

## Complementary

Transformer Ratio	1/1000
Network Type	AC/DC
Network Frequency	45...440 Hz
[Icw] Rated Short-Time Withstand Current	85 kA for 0.5 s
Residual Short-Circuit Withstand Current	85 kA / 0.5 s conforming to IEC 60947-2
[Ui] Rated Insulation Voltage	1000 V
Overvoltage Category	IV
[Uimp] Rated Impulse Withstand Voltage	12 kV
Mounting Mode	Fixed (cables) Fixed (plain backplate) Fixed (profiled sheet metal) Fixed (slotted backplate) Clip-on (DIN rail)
Calorific Value	3.19 MJ
Connections - Terminals	Screw connection 0.22 mm <sup>2</sup>
Diameter	80 mm inner:
Cable Outer Diameter	40 mm: 95 mm <sup>2</sup> (maximum)

<b>Net Weight</b>	0.42 kg
<b>Height</b>	122 mm
<b>Width</b>	150 mm
<b>Depth</b>	44 mm

## Environment

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

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	5.4 cm
<b>Package 1 Width</b>	13.2 cm
<b>Package 1 Length</b>	16.4 cm
<b>Package 1 Weight</b>	332.0 g
<b>Unit Type Of Package 2</b>	S04
<b>Number Of Units In Package 2</b>	40
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	40.0 cm
<b>Package 2 Length</b>	60.0 cm
<b>Package 2 Weight</b>	14.046 kg

## Contractual warranty

<b>Warranty</b>	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 [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)