

# Product data sheet

Specifications



closed toroid A type, for VigiPacT and Vigilhom, IA80, inner diameter 80mm, rated current 160A

50439

## Main

<b>Range</b>	VigiPacT
<b>Device short name</b>	IA80
<b>Product or component type</b>	Earth leakage current sensor
<b>Device application</b>	Equipment monitoring and control
<b>Range compatibility</b>	RH10M residual current protection relay RH10P residual current protection relay RH21M residual current protection relay RH21P residual current protection relay RH68M residual current protection relay RH86M residual current protection relay RH86P residual current protection relay RH99M residual current protection relay RH99P residual current protection relay RH197M residual current protection relay RH197P residual current protection relay RHU residual current protection relay RHUs residual current protection relay RMH residual current protection relay
<b>Current sensor type</b>	A type closed toroid
<b>[Ie] rated operational current</b>	160 A

## Complementary

<b>Transformer ratio</b>	1/1000
<b>Network type</b>	AC/DC
<b>Network frequency</b>	45...440 Hz
<b>[Icw] rated short-time withstand current</b>	100 kA for 0.5 s
<b>Residual short-circuit withstand current</b>	85 kA / 0.5 s conforming to IEC 60947-2
<b>[Ui] rated insulation voltage</b>	1000 V
<b>Overvoltage category</b>	IV
<b>[Uimp] rated impulse withstand voltage</b>	12 kV
<b>Mounting mode</b>	Fixed (cables) Fixed (plain backplate) Fixed (profiled sheet metal) Fixed (slotted backplate) Clip-on (DIN rail)
<b>Calorific value</b>	3.19 MJ
<b>Connections - terminals</b>	Screw connection 0.22 mm <sup>2</sup>

Diameter	80 mm inner:
Cable outer diameter	40 mm: 95 mm <sup>2</sup> (maximum)
Net weight	0.42 kg
Height	122 mm
Width	150 mm
Depth	44 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 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
Pollution degree	Level 3 conforming to IEC 60664-1
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-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 Weight	332 g
Package 1 Height	5.4 cm
Package 1 width	13.2 cm
Package 1 Length	16.4 cm
Unit Type of Package 2	S04
Number of Units in Package 2	40
Package 2 Weight	14.046 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

## 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
RoHS exemption information	<a href="#">Yes</a>
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>
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

---

**California proposition 65**

WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

---

**Contractual warranty**

---

<b>Warranty</b>	18 months
-----------------	-----------

---