

# Product datasheet

Specifications



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

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 mm²

Diameter	80 mm inner:
Cable outer diameter	40 mm: 95 mm² (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 Height	5.4 cm
Package 1 Width	13.2 cm
Package 1 Length	16.4 cm
Package 1 Weight	332.0 g
Unit Type of Package 2	S04
Number of Units in Package 2	40
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	14.046 kg

## 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	<a href="#">Yes</a>
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

Warranty18 months

Recommended replacement(s)