Product datasheet

Specifications



Closed toroid for residual current protection IA - Ø 80 mm

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 frequency	50/60 Hz 400 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…2.5 mm²
Diameter	80 mm inner:
Product weight	0.42 kg
Height	122 mm

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

Width	150 mm
Depth	44 mm

Environment

IP degree of protection	IP30 Connectors: IP20
Environmental characteristic	Exposure to damp heat in service: category C2: 48 hours conforming to IEC 60068-2-56 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
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	5.400 cm
Package 1 Width	13.200 cm
Package 1 Length	16.400 cm
Package 1 Weight	317.800 g
Unit Type of Package 2	S04
Number of Units in Package 2	40
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	13.412 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**28 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**28 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**0 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.6 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**78b0d24c-0e62-4f91-9397-1958e4735328**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**10**
End of life manual availability	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Technical Illustration

Assembly's dimensions

