Product data sheet

Specifications



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

50439

Product availability: Stock - Normally stocked in distribution facility

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 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 cables) Fixed plain backplate) Fixed profiled sheet metal) Fixed slotted backplate) Clip-on DIN rail)
Calorific value	3.19 MJ
Connections - terminals	Screw connection 0.0003…0.004 in² (0.22…2.5 mm²)
Diameter	Inner 3.1 in (80 mm)
Product Weight	0.93 lb(US) (0.42 kg)
Height	4.8 in (122 mm)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	5.9 in (150 mm)
Depth	1.7 in (44 mm)

Environment

IP Degree of Protection	IP30 Connectors IP20
Environmental characteristic	Exposure to damp heat in servicecategory C2 48 hours IEC 60068-2-56 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
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

Ordering and shipping details

Category	US10DE201078
Discount Schedule	0DE2
GTIN	3303430504399
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.126 in (5.400 cm)
Package 1 Width	5.197 in (13.200 cm)
Package 1 Length	6.457 in (16.400 cm)
Package weight(Lbs)	11.210 oz (317.800 g)
Unit Type of Package 2	S04
Number of Units in Package 2	40
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	29.568 lb(US) (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
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**10**
Circularity Profile	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

