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



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	
[le] rated operational current	160 A	

Complementary

Transformer ratio	1/1000	
Network type	AC/DC	
Network frequency	45440 Hz	
[lcw] 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 ²	
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 (2555 °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	-3570 °C	
Ambient air temperature for storage	-5585 °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

Contractual warranty

Warranty 12 months



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	28
Environmental Disclosure	Product Environmental Profile

Use Better

Recycled metal content at CR level	0	
EU RoHS Directive	Compliant	
REACh Regulation	REACh Declaration	

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins