



Main

Range	VigiPacT
Device short name	PA50
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
[I _e] rated operational current	85 A

Complementary

Transformer ratio	1/1000
Network type	AC/DC
Network frequency	45...440 Hz
[I _{cw}] 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
[U _i] rated insulation voltage	1000 V
Overvoltage category	IV
[U _{imp}] rated impulse withstand voltage	12 kV
Mounting mode	Fixed (plain backplate) Fixed (profiled sheet metal) Fixed (slotted backplate) Clip-on (DIN rail) Clip-on (Vigirex relay)
Calorific value	1.42 MJ
Connections - terminals	Screw connection 0.22 mm ²
Diameter	50 mm inner:
Cable outer diameter	25 mm: 50 mm ² (maximum)
Net weight	0.2 kg
Height	108 mm
Width	88 mm
Depth	29 mm

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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	4 cm
Package 1 Width	12.8 cm
Package 1 Length	17.1 cm
Package 1 Weight	180 g
Unit Type of Package 2	S04
Number of Units in Package 2	100
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	18.766 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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