

Product data sheet

Specifications



closed toroid A type, for VigiPacT and Vigilhom, MA120, inner diameter 120 mm, rated current 250 A

50440

Main

Range	VigiPacT
Device short name	MA120
Product or component type	Earth leakage current sensor
Device application	Equipment monitoring and control
Range compatibility	RH10M residual current protection relay RH10P residual current protection relay RH21M residual current protection relay RH21P residual current protection relay RH68M residual current protection relay RH86M residual current protection relay RH86P residual current protection relay RH99M residual current protection relay RH99P residual current protection relay RH197M residual current protection relay RH197P residual current protection relay RHU residual current protection relay RHUs residual current protection relay RMH residual current protection relay
Current sensor type	A type closed toroid
[Ie] rated operational current	250 A

Complementary

Transformer ratio	1/1000
Network type	AC/DC
Network frequency	45...440 Hz
[Icw] rated short-time withstand current	100 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	3.89 MJ
Connections - terminals	Screw connection 0.22 mm ²

Diameter	120 mm inner:
Cable outer diameter	60 mm: 240 mm ² (maximum)
Net weight	0.59 kg
Height	164 mm
Width	190 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 Weight	538 g
Package 1 Height	5.1 cm
Package 1 width	17.6 cm
Package 1 Length	20.2 cm
Unit Type of Package 2	S04
Number of Units in Package 2	26
Package 2 Weight	14.34 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm
Unit Type of Package 3	P12
Number of Units in Package 3	104
Package 3 Weight	70.288 kg
Package 3 Height	50 cm
Package 3 width	80 cm
Package 3 Length	120 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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
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

Contractual warranty

Warranty	18 months
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