Product data sheet
Characteristics

50440
Closed toroid for residual current protection MA - Ø 120 mm

Green Premium™ Product

Main

Range	Vigirex
Device short name	MA120
Product or component type	Earth leakage current sensor
Device application	Equipment monitoring and control
Current sensor type	A type closed toroid
[Ie] rated operational current	250 A

Complementary

Transformer ratio	1/1000
Network type	DC AC
Network frequency	45...440 Hz
[Icw] rated short-time withstand current	100 kAfor 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 mm²
Diameter	120 mm inner:
Cable outer diameter	60 mm: 240 mm² (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

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	14.572 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	80 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
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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