

Product data sheet

Specifications



Miniature circuit breaker (MCB), Acti9 C120a, 1P, 80A, C curve, 5kA (IEC/EN 60947-2)

A9N60708

Main

Range of product	C120
Range	Acti9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120a
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	80 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	5 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230...400 V AC 50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	5 kA 100 % conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz
Limitation class	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail

9 mm pitches	3
Height	81 mm
Width	27 mm
Depth	73 mm
Product weight	0.205 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Yes
Connections - terminals	Tunnel type terminals 1 cable(s) 1...50 mm ² rigid Tunnel type terminals 1 cable(s) 1.5...35 mm ² flexible
Wire stripping length	Power circuit: 15 mm for top or bottom connection
Tightening torque	Power circuit: 3.5 N.m top or bottom
Earth-leakage protection	Without

Environment

Standards	EN/IEC 60947-2
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Overvoltage category	III
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	2.7 cm
Package 1 Length	8.6 cm
Package 1 Weight	192.7 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	9.5 cm
Package 2 Width	8.5 cm
Package 2 Length	33 cm
Package 2 Weight	2.573 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm

Package 3 Weight	15.925 kg
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Offer Sustainability

Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
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REACH free of SVHC	Yes
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EU RoHS Directive	Compliant EU RoHS Declaration
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Toxic heavy metal free	Yes
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Mercury free	Yes
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RoHS exemption information	Yes
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China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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Environmental Disclosure	Product Environmental Profile
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Contractual warranty

Warranty	18 months
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Recommended replacement(s)