

Product datasheet

Specifications



Miniature circuit breaker (MCB), Acti9 C120N, 4P, 100A, C curve, 10kA (IEC/EN 60947-2)

A9N60742

Main

Range	Acti9
Product name	Acti9 C120
Product or component type	Miniature circuit-breaker
Device short name	C120N
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	100 A at 40 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at <= 500 V DC conforming to EN/IEC 60947-2 10 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	<= 500 V DC 230...400 V AC 50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	7.5 kA 75 % 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
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	YES
9 mm pitches	12
Height	81 mm
Depth	73 mm

Width	108 mm
Net weight	0.82 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Locking options description	Handle sealable with cable diameter 0.7mm in OFF or ON position
Connections - terminals	Tunnel type terminals1...50 mm ² rigid Tunnel type terminals1.5...35 mm ² flexible
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Separate block

Environment

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	8.700 cm
Package 1 Width	11.000 cm
Package 1 Length	9.300 cm
Package 1 Weight	772.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.700 cm
Package 2 Width	9.900 cm
Package 2 Length	33.900 cm
Package 2 Weight	2.508 kg
Unit Type of Package 3	S03
Number of Units in Package 3	18
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	15.535 kg

Contractual warranty



Environmental Data

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

Total lifecycle Carbon footprint	39 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	32 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	2 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Ab76a2c8-39ad-4485-a07c-19f81f42d0a0
Halogen-free status	Product contains halogen above thresholds

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	60
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins