

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 C120N, 4P, 63 A, C curve, 10000 A (IEC 60898-1), 10 kA (IEC 60947-2)

A9N18371

Main

Range	Acti9
Product name	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	63 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10000 A Icn at 230...400 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 500 V DC conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Standards	EN/IEC 60947-2 EN/IEC 60898-1
Product certifications	EAC

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	380...415 V AC 50/60 Hz <= 500 V DC 220...240 V AC 50/60 Hz 440 V AC 50/60 Hz 230...400 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	7500 A 75 % conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - <= 500 V DC
Limitation class	1 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Contact position indicator	Yes
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	10000 cycles conforming to IEC 60947-2
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	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.6 cm
Package 1 Width	10.6 cm
Package 1 Length	8.6 cm
Package 1 Weight	746 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.6 cm

Package 2 Width	9.4 cm
Package 2 Length	33 cm
Package 2 Weight	2.32 kg
Unit Type of Package 3	S03
Number of Units in Package 3	18
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	14.446 kg

Contractual warranty

Warranty	18 months
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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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **55**

Environmental Disclosure [Product Environmental Profile](#)



Accepted

Use Better

Materials and Substances

Packaging made with recycled cardboard **No**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant**

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

Use Again

Repack and remanufacture

Circularity Profile **No need of specific recycling operations**

WEEE



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Take-back

No
