

# Product datasheet

Specifications



## C120N - circuit breaker - 4P - 100A - C curve

A9N18374

### 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 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	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uiimp] 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
Comb busbar and distribution block compatibility	YES
9 mm pitches	12
Height	81 mm
Depth	73 mm
Width	108 mm
Product weight	0.82 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 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 terminals 1...50 mm <sup>2</sup> rigid Tunnel type terminals 1.5...35 mm <sup>2</sup> 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	7.5 cm
Package 1 Width	8.8 cm
Package 1 Length	10.8 cm
Package 1 Weight	772 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	10 cm

Package 2 Width	9 cm
Package 2 Length	33 cm
Package 2 Weight	2.378 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	14.755 kg

## Contractual warranty

Warranty	18 months
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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) **39**

Environmental Disclosure [Product Environmental Profile](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard **No**

Packaging without single use plastic **Yes**

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

SCIP Number **Ab76a2c8-39ad-4485-a07c-19f81f42d0a0**

REACH Regulation [REACH Declaration](#)

Halogen content performance **Product contains halogen above thresholds**

### Use Again

#### Repack and remanufacture

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

Take-back **No**

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