Product datasheet

Specifications



Miniature circuit breaker (MCB), Acti9 C120H, 2P, 100A, C curve, 10kA (IEC/EN 60947-2)

A9N19817

Discontinued on: 29 May 2024

Discontinued

EAN Code: 3606480704994

Main

Range of product	Acti9
Range	Acti9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120H
Poles description	2P
Device application	Distribution
Number of protected poles	2
[In] rated current	100 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 10 kA Icn at 400 V AC 50/60 Hz conforming to GB/T 10963.1 10 kA Icu at 400 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at 400 V AC 50/60 Hz conforming to GB/T 14048.2
Suitability for isolation	Yes

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	400 V
Magnetic tripping limit	5...10 x In conforming to GB/T 10963.1 8 x In +/- 20 % conforming to GB/T 14048.2
[Uimp] rated impulse withstand voltage	6 kV
[Ui] rated insulation voltage	500 V AC 50/60 Hz
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	6.0
Height	81 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Depth	73 mm
Net weight	410 g
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Connections - terminals	Tunnel type terminals top or bottom 1…50 mm² rigid without cable end Tunnel type terminals top or bottom 1.5…35 mm² flexible with or without cable end
Tightening torque	Power circuit: 3.5 N.m
Wire stripping length	Power circuit: 14 mm

Environment

Product certifications	CE CCC
Standards	GB 10963.1 EN/IEC 60898-1 GB/T 14048.2 EN/IEC 60947-2
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	5.413 cm
Package 1 Width	7.332 cm
Package 1 Length	8.71 cm
Package 1 Weight	393 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	9.6 cm
Package 2 Width	10.9 cm
Package 2 Length	24.8 cm
Package 2 Weight	1.434 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	9.317 kg

Contractual warranty

Warranty (in months)	18

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	**141 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 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]	**138 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
Halogen-free status	**Product contains halogen above thresholds**

Use Again

Repack and remanufacture

Recyclability potential, in %	**60**
End of life manual availability	**End of Life Information**
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**