

Product datasheet

Specifications



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

A9N60708

Main

| | |
|---------------------------|--|
| Range | Acti9 |
| Product name | Acti9 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 at 40 °C |
| 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 |
| Standards | 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 |
| [Uij] 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 |
| Depth | 73 mm |

| | |
|------------------------------------|---|
| Width | 27 mm |
| Net weight | 0.205 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles |
| Provision for padlocking | Yes |
| Locking options description | Handle sealable with cable diameter 0.7mm in OFF or ON position |
| Connections - terminals | Tunnel type terminals1 cable(s) 1...50 mm ² rigid Tunnel type terminals1 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

| | |
|--|------------------------------|
| 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 | 8.400 cm |
| Package 1 Width | 2.700 cm |
| Package 1 Length | 7.500 cm |
| Package 1 Weight | 193.000 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 8.000 cm |
| Package 2 Width | 9.500 cm |
| Package 2 Length | 33.500 cm |
| Package 2 Weight | 2.372 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 72 |
| Package 3 Height | 30.000 cm |
| Package 3 Width | 30.000 cm |
| Package 3 Length | 40.000 cm |
| Package 3 Weight | 14.656 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 | 19 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 17 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.5 kg CO2 eq. |

Use Better



Materials and Packaging

| | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | F3fcbd4f-b3e8-41f9-b910-8853888889fe |
| Halogen-free status | Product contains halogen above thresholds |

Use Longer




Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

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 |