

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 C120H, 3P, 80 A, D curve, 15000 A (IEC 60898-1), 15 kA (IEC 60947-2)

Local distributor code:

397539983

A9N18512

EAN Code: 3606480380839

Main

| | |
|---------------------------|---|
| Range | Acti9 |
| Product name | Acti9 C120 |
| Product or component type | Miniature circuit-breaker |
| Device short name | C120H |
| Device application | Distribution |
| Poles description | 3P |
| Number of protected poles | 3 |
| [In] rated current | 80 A at 30 °C |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | D |
| Breaking capacity | 15000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 10 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at <= 375 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

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|--|---|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | <= 375 V DC 380...415 V AC 50/60 Hz 220...240 V AC 50/60 Hz 440 V AC 50/60 Hz 230...400 V AC 50/60 Hz |
| Magnetic tripping limit | 10...14 x In |
| [Ics] rated service breaking capacity | 7500 A 50 % conforming to EN/IEC 60898-1 - 400 V AC 50/60 Hz 5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA 50 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 50 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - <= 375 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 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2 |

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| 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 | 9 |
| Height | 81 mm |
| Depth | 73 mm |
| Width | 81 mm |
| Net weight | 0.615 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 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

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|---------------------------------------|------------------------------|
| 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 | -30...60 °C |
| Ambient air temperature for storage | -40...70 °C |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.500 cm |
| Package 1 Width | 8.200 cm |
| Package 1 Length | 8.700 cm |
| Package 1 Weight | 580.000 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 8.500 cm |

| | |
|------------------------------|-----------|
| Package 2 Width | 9.500 cm |
| Package 2 Length | 33.000 cm |
| Package 2 Weight | 2.385 kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 24 |
| Package 3 Height | 30.000 cm |
| Package 3 Width | 30.000 cm |
| Package 3 Length | 40.000 cm |
| Package 3 Weight | 14.797 kg |

Logistical informations

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|-------------------|----|
| Country of origin | FR |
|-------------------|----|

Contractual warranty

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| 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

Total lifecycle Carbon footprint 57

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-free status Product contains halogen above thresholds

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