Product datasheet

Specifications





Miniature circuit breaker (MCB), Acti9 C120N, 3P, 63A, B curve, 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)

A9N18348

Main

| Range Of Product | C120 |
|---------------------------|---|
| Range | Acti9 |
| Product Name | C120 |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | C120N |
| Device Application | Distribution |
| Poles Description | 3P |
| Number Of Protected Poles | 3 |
| [In] Rated Current | 63 A at 30 °C |
| Network Type | AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | В |
| Breaking Capacity | 10000 A lcn at 230400 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA lcu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA lcu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA lcu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA lcu at <= 375 V DC conforming to EN/IEC 60947-2 |
| Suitability For Isolation | Yes conforming to IEC 60947-2 |
| | |

Complementary

| Network Frequency | 50/60 Hz |
|---|---|
| [Ue] Rated Operational Voltage | <= 375 V DC |
| | 380415 V AC 50/60 Hz |
| | 220240 V AC 50/60 Hz |
| | 440 V AC 50/60 Hz |
| | 230400 V AC 50/60 Hz |
| Magnetic Tripping Limit | 35 x In |
| [Ics] Rated Service Breaking | 7500 A 75 % conforming to EN/IEC 60898-1 - 230400 V AC 50/60 Hz |
| Capacity | 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 - 380415 V AC 50/60 Hz |
| | 15 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz |
| | 10 kA 100 % conforming to EN/IEC 60947-2 - <= 375 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 |
| Contact Position Indicator | Yes |
| Control Type | Toggle |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| 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 | 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 terminals150 mm² rigid Tunnel type terminals1.535 mm² flexible | |
| Wire Stripping Length | 15 mm | |
| Tightening Torque | 3.5 N.m | |
| Earth-Leakage Protection | Separate block | |

Environment

| Standards | EN/IEC 60947-2 EN/IEC 60898-1 |
|--|----------------------------------|
| Product Certifications | EAC |
| 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 | -2570 °C |
| Ambient Air Temperature For Storage | -4085 °C |

Packing Units

| 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 | 8.600 cm |
| Package 1 Weight | 563.900 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 | 2.324 kg |
| Unit Type Of Package 3 | \$03 |
| 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 | 14.431 kg |

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

| Toxic Heavy Metal Free | |
|----------------------------|-----|
| Mercury Free | |
| Rohs Exemption Information | Yes |

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | No need of specific recycling operations |