



Main

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|---------------------------|---|
| Range of product | C120 |
| Range | Acti 9 |
| 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 | 100 A at 30 °C |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 6 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 20 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - <= 375 V DC 10000 A Icn conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz |
| Suitability for isolation | Yes conforming to IEC 60947-2 |

Complementary

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|---------------------------------------|---|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | <= 375 V DC 220...240 V AC 50/60 Hz 380...415 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 | 4.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7500 A at 75 % of breaking cap. conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 10 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 375 V DC |

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

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| 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 |
| 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 | NO |
| 9 mm pitches | 9 |
| Height | 81 mm |
| Width | 81 mm |
| Depth | 73 mm |
| Product weight | 0.615 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles conforming to IEC 60947-2 |
| Wire stripping length | 15 mm |
| Tightening torque | 3.5 N.m |
| Earth-leakage protection | Separate block |

Environment

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|---------------------------------------|----------------------------------|
| 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 % 55 °C |
| Operating altitude | 2000 m |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |

Contractual warranty

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|-----------------|-----------|
| Warranty period | 18 months |
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