



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 | C120a |
| Device application | Distribution |
| Poles description | 3P |
| Number of protected poles | 3 |
| [In] rated current | 100 A |
| 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 |

Complementary

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|--|---|
| 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 |
| [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 |

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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|--------------------------|---|
| Mounting support | 35 mm symmetrical DIN rail |
| 9 mm pitches | 9 |
| Height | 81 mm |
| Width | 81 mm |
| Depth | 73 mm |
| Net weight | 0.615 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles |
| Provision for padlocking | Yes |
| 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 | Separate block |

Environment

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|---------------------------------------|------------------------------|
| Standards | EN/IEC 60947-2 |
| 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 |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |

Contractual warranty

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| Warranty | 18 months |
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