



Main

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| Circuit breaker application | Distribution |
| Range of product | C120 |
| Product or component type | Circuit breaker |
| Device short name | C120N |
| Poles description | 1P |
| Number of protected poles | 1 |
| [In] rated current | 63 A at 30 °C |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 15 kA Icu conforming to IEC 60898-1 - <= 144 V DC 15 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 15 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 10 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 3 kA Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz IT 20 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 10000 A Icn conforming to 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 |
| Magnetic tripping limit | 5...10 x In |
| [Ics] rated service breaking capacity | 10 kA 100 % x Icu conforming to EN/IEC 60947-2 - 125 V DC 10 kA 100 % x Icu conforming to EN/IEC 60947-2 - 24/48 V DC 2.25 kA 75 % x Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 7500 A 75 % x Icu conforming to IEC 60898-1 - 230...400 V AC 50/60 Hz |
| Limitation class | 3 conforming to IEC 60898-1 |
| [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 distribution block compatibility | YES |
| 9 mm pitches | 3 |
| Height | 81 mm |
| Width | 27 mm |
| Depth | 73 mm |
| Product weight | 0.205 kg |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles conforming to IEC 60947-2 |
| Connections - terminals | Tunnel type terminals flexible wire(s) 1.5...35 mm ² max Tunnel type terminals rigid wire(s) 1...50 mm ² max |

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| Wire stripping length | 15 mm |
| Tightening torque | 3.5 N.m |
| Earth-leakage protection | Without |

Environment

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|---------------------------------------|-------------------------------|
| Standards | EN/IEC 60947-2 IEC 60898-1 |
| Product certifications | GOST |
| Quality labels | NF |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60947-2 |
| 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 |

Contractual warranty

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| Period | 18 months |
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