



### Main

|                           |  |
|---------------------------|--|
| 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         | 2P   |
| Number of protected poles | 2  |
| Neutral position          | Left   |
| [In] rated current        | 125 A at 30 °C   |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 10000 A Icn at 230...400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>6 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 KA Icu at <= 250 V DC conforming to EN/IEC 60947-2<br>20 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 KA Icu at 380...415 V AC 50/60 Hz 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                   | 380...415 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz<br><= 250 V DC<br>230...400 V AC 50/60 Hz   |
| Magnetic tripping limit                          | 5...10 x In   |
| [Ics] rated service breaking capacity            | 7500 A 75 % conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz<br>4.5 KA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>7.5 KA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>10 kA 100 % conforming to EN/IEC 60947-2 - <= 250 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   |
| 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                                     | 6   |
| Height   | 81 mm   |
| Width  | 54 mm   |
| Depth  | 73 mm   |

|                          |   |
|--------------------------|---|
| Net weight               | 0.41 kg   |
| Colour                   | White   |
| Mechanical durability    | 20000 cycles  |
| Electrical durability    | 5000 cycles conforming to IEC 60947-2   |
| Connections - terminals  | Tunnel type terminals 1...50 mm <sup>2</sup> rigid<br>Tunnel type terminals 1.5...35 mm <sup>2</sup> flexible |
| Wire stripping length    | 15 mm   |
| Tightening torque        | 3.5 N.m   |
| Earth-leakage protection | Separate block  |

## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Standards                             | EN/IEC 60947-2<br>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 | -25...70 °C                      |
| Ambient air temperature for storage   | -40...85 °C                      |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>   |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | No need of specific recycling operations  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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