



### 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         | 1P   |
| Number of protected poles | 2  |
| [In] rated current        | 100 A at 30 °C   |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 20 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>15 kA Icu conforming to EN/IEC 60947-2 - 12 V DC<br>15 kA Icu conforming to EN/IEC 60947-2 - 125 V DC<br>3 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz IT<br>10 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>10 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC<br>20 kA Icu conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz<br>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

|  |   |
|--|---|
| Network frequency                      | 50/60 Hz  |
| [Ue] rated operational voltage         | 12 V AC 50/60 Hz<br>12 V DC<br>125 V DC<br>220...240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>130 V AC 50/60 Hz<br>230...400 V AC 50/60 Hz<br><= 144 V DC  |
| Magnetic tripping limit                | 5...10 x In   |
| [Ics] rated service breaking capacity  | 15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 V DC<br>2.25 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V DC<br>10 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 144 V DC<br>7.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz<br>7500 A at 75 % of breaking cap. conforming to EN/IEC 60898-1 - 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  |

The information provided in this documentation contains general characteristics and/or technical descriptions of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|  |                                       |
|--|---------------------------------------|
| Local signalling                             | ON/OFF indication                     |
| Mounting mode                                | Clip-on                               |
| Mounting support                             | 35 mm symmetrical DIN rail            |
| Comb busbar distribution block compatibility | NO                                    |
| 9 mm pitches                                 | 3                                     |
| Height                                       | 81 mm                                 |
| Width  | 27 mm                                 |
| Depth  | 73 mm                                 |
| Product weight                               | 0.205 kg                              |
| Colour                                       | White                                 |
| Mechanical durability                        | 20000 cycles                          |
| Electrical durability                        | 5000 cycles conforming to IEC 60947-2 |
| Connections - terminals                      |                                       |
| Wire stripping length                        | 15 mm                                 |
| Tightening torque                            | 3.5 N.m                               |
| Earth-leakage protection                     | Without                               |

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