



### Main

|                             |  |
|-----------------------------|--|
| Circuit breaker application | Distribution   |
| Range of product            | C120   |
| Product or component type   | Circuit breaker  |
| Device short name           | C120H  |
| Poles description           | 1P   |
| Number of protected poles   | 1  |
| [In] rated current          | 20 A at 30 °C  |
| Network type                | AC   |
| Trip unit technology        | Thermal-magnetic   |
| Curve code                  | C  |
| Breaking capacity           | 15 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC<br>20 kA Icu conforming to EN/IEC 60947-2 - 125 V DC<br>20 kA Icu conforming to EN/IEC 60947-2 - 12 V DC<br>4.5 kA Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz IT<br>15 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>30 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>15000 A Icn conforming to 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  |
| Magnetic tripping limit                      | 5...10 x In   |
| [Ics] rated service breaking capacity        | 15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 125 V DC<br>15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 24/48 V DC<br>2.25 kA 50 % x Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz<br>7.5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>15 kA 50 % x Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>7500 A 50 % 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  |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

|                          |   |
|--------------------------|---|
| Connections - terminals  | Tunnel type terminals flexible wire(s) 1.5...35 mm <sup>2</sup> max<br>Tunnel type terminals rigid wire(s) 1...50 mm <sup>2</sup> max |
| Wire stripping length    | 15 mm   |
| Tightening torque        | 3.5 N.m   |
| Earth-leakage protection | Without   |

## Environment

|                                       |                               |
|---------------------------------------|-------------------------------|
| Standards                             | EN/IEC 60947-2<br>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 | -30...60 °C                   |
| Ambient air temperature for storage   | -40...70 °C                   |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|