



### Main

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|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit breaker application | Distribution                                                                                                                                                                                                                                                                                                                  |
| Range of product            | C120                                                                                                                                                                                                                                                                                                                          |
| Product or component type   | Circuit breaker                                                                                                                                                                                                                                                                                                               |
| Device short name           | C120H                                                                                                                                                                                                                                                                                                                         |
| Poles description           | 2P                                                                                                                                                                                                                                                                                                                            |
| Number of protected poles   | 1                                                                                                                                                                                                                                                                                                                             |
| Neutral position            | Left                                                                                                                                                                                                                                                                                                                          |
| [In] rated current          | 50 A at 30 °C                                                                                                                                                                                                                                                                                                                 |
| Network type                | AC                                                                                                                                                                                                                                                                                                                            |
| Trip unit technology        | Thermal-magnetic                                                                                                                                                                                                                                                                                                              |
| Curve code                  | B                                                                                                                                                                                                                                                                                                                             |
| Breaking capacity           | 15 kA Icu conforming to EN/IEC 60947-2 - <= 250 V DC<br>30 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>15 kA Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz<br>10 kA Icu conforming to EN/IEC 60947-2 - 440 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                      | 3...5 x In                                                                                                                                                                                                                                                                                                                                                    |
| [Ics] rated service breaking capacity        | 15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 250 V DC<br>7.5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz<br>15 kA 50 % x Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 440 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                                 | 6                                                                                                                                                                                                                                                                                                                                                             |
| Height                                       | 81 mm                                                                                                                                                                                                                                                                                                                                                         |
| Width                                        | 54 mm                                                                                                                                                                                                                                                                                                                                                         |
| Depth                                        | 73 mm                                                                                                                                                                                                                                                                                                                                                         |
| Product weight                               | 0.41 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 mm² max<br>Tunnel type terminals rigid wire(s) 1...50 mm² max                                                                                                                                                                                                                                                 |

|                          |                |
|--------------------------|----------------|
| Wire stripping length    | 15 mm          |
| Tightening torque        | 3.5 N.m        |
| Earth-leakage protection | Separate block |

## 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 |
|--------|-----------|