



### Main

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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        | 100 A at 30 °C                                                                                                                                                                                                                                                                                                                      |
| Network type              | AC                                                                                                                                                                                                                                                                                                                                  |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                    |
| Curve code                | B                                                                                                                                                                                                                                                                                                                                   |
| 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                          | 3...5 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 terminals1...50 mm² rigid<br>Tunnel type terminals1.5...35 mm² flexible |
| Wire stripping length    | 15 mm                                                                               |
| Tightening torque        | 3.5 N.m                                                                             |
| Earth-leakage protection | Separate block                                                                      |

## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Standards                             | EN/IEC 60898-1<br>EN/IEC 60947-2 |
| 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                      |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Weight             | 386 g     |
| Package 1 Height             | 5.3 cm    |
| Package 1 width              | 6.8 cm    |
| Package 1 Length             | 8.6 cm    |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Weight             | 2.382 kg  |
| Package 2 Height             | 10 cm     |
| Package 2 width              | 9 cm      |
| Package 2 Length             | 33 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 36        |
| Package 3 Weight             | 14.779 kg |
| Package 3 Height             | 30 cm     |
| Package 3 width              | 30 cm     |
| Package 3 Length             | 40 cm     |

## 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> |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins    |
| <b>Contractual warranty</b> |                                                                                                                                |
| Warranty                    | 18 months                                                                                                                      |