

# Product datasheet

Specifications



## C120N - circuit breaker - 3P - 125A - C curve

A9N18369

### Main

|                           |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | C120                                                                                                                                                                                                                                                                                                                                 |
| Range                     | Acti9                                                                                                                                                                                                                                                                                                                                |
| Product name              | C120                                                                                                                                                                                                                                                                                                                                 |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                            |
| Device short name         | C120N                                                                                                                                                                                                                                                                                                                                |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                         |
| Poles description         | 3P                                                                                                                                                                                                                                                                                                                                   |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                                    |
| [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>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<br>10 kA Icu at <= 375 V DC 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         | <= 375 V DC<br>380...415 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz<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 - <= 375 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                                                                                                                                                                                                                                                                                                                                  |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: 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

|                                                  |                                                                                     |
|--------------------------------------------------|-------------------------------------------------------------------------------------|
| Local signalling                                 | ON/OFF indication                                                                   |
| Mounting mode                                    | Clip-on                                                                             |
| Mounting support                                 | 35 mm symmetrical DIN rail                                                          |
| Comb busbar and distribution block compatibility | YES                                                                                 |
| 9 mm pitches                                     | 9                                                                                   |
| Height                                           | 81 mm                                                                               |
| Depth                                            | 73 mm                                                                               |
| Width                                            | 81 mm                                                                               |
| Net weight                                       | 0.615 kg                                                                            |
| Colour                                           | White                                                                               |
| Mechanical durability                            | 20000 cycles                                                                        |
| Electrical durability                            | 5000 cycles conforming to IEC 60947-2                                               |
| Locking options description                      | Handle sealable with cable diameter 0.7mm in OFF or ON position                     |
| 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 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                      |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 7.500 cm  |
| Package 1 Width              | 8.000 cm  |
| Package 1 Length             | 8.000 cm  |
| Package 1 Weight             | 583.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 8.500 cm  |

|                              |           |
|------------------------------|-----------|
| Package 2 Width              | 9.500 cm  |
| Package 2 Length             | 33.000 cm |
| Package 2 Weight             | 2.403 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 24        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 14.731 kg |

## Contractual warranty

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

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

|              |                            |     |
|--------------|----------------------------|-----|
| <div>✓</div> | Toxic Heavy Metal Free     |     |
| <div>✓</div> | Mercury Free               |     |
| <div>✓</div> | Rohs Exemption Information | Yes |

Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</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 |
| Circularity Profile      | No need of specific recycling operations                                                                                    |