

## A9N18359

Miniature circuit breaker (MCB), Acti9 C120N,  
1P, 125A, C curve, 10000A (IEC/EN 60898-1),  
10kA (IEC/EN 60947-2)



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## 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         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 125 A at 30 °C   |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 3 KA Icu at 380...415 V AC 50/60 Hz IT conforming to EN/IEC 60947-2<br>20 KA Icu at 130 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>15 KA Icu at 12 V DC conforming to EN/IEC 60947-2<br>15 KA Icu at 125 V DC conforming to EN/IEC 60947-2<br>10 KA Icu at <= 144 V DC conforming to EN/IEC 60947-2<br>10 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 KA Icu at 12 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10000 A Icn at 230...400 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| 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>125 V DC<br><= 144 V DC<br>12 V DC<br>220...240 V AC 50/60 Hz<br>230...400 V AC 50/60 Hz<br>130 V AC 50/60 Hz<br>12 V AC 50/60 Hz  |
| Magnetic tripping limit                          | 5...10 x In   |
| [Ics] rated service breaking capacity            | 15 KA 75 % conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>15 KA 100 % conforming to EN/IEC 60947-2 - 125 V DC<br>2.25 KA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 KA 100 % conforming to EN/IEC 60947-2 - 12 V DC<br>10 KA 100 % conforming to EN/IEC 60947-2 - <= 144 V DC<br>7.5 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>15 KA 75 % conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz<br>7500 A 75 % 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  |
| 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                                     | 3   |
| Height   | 81 Mm   |
| Depth  | 73 Mm   |
| Width  | 27 Mm   |
| Net weight                                       | 0.205 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 terminals 1...50 mm <sup>2</sup> rigid<br>Tunnel type terminals 1.5...35 mm <sup>2</sup> flexible |
| Wire stripping length    | 15 Mm   |
| Tightening torque        | 3.5 N.M   |
| Earth-leakage protection | Without   |






## 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 Height             | 2.500 Cm  |
| Package 1 Width              | 7.500 Cm  |
| Package 1 Length             | 8.500 Cm  |
| Package 1 Weight             | 194.700 G |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.500 Cm  |
| Package 2 Width              | 9.500 Cm  |
| Package 2 Length             | 33.000 Cm |
| Package 2 Weight             | 2.380 Kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 72        |
| Package 3 Height             | 30.000 Cm |
| Package 3 Width              | 30.000 Cm |
| Package 3 Length             | 40.000 Cm |
| Package 3 Weight             | 14.659 Kg |

## 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   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  Yes   |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | No need of specific recycling operations  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |

Contractual warranty

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

|                       |                |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|