

**Product data sheet**  
**Characteristics**

**A9F45206**  
**Acti9 iC60N 2P 6A D Miniature Circuit Breaker**



**Main**

|                           |   |
|---------------------------|---|
| Range                     | Acti 9  |
| Product name              | Disbo iC60  |
| Product or component type | Miniature circuit-breaker   |
| Device short name         | IC60N   |
| Poles description         | 2P  |
| Number of protected poles | 2   |
| [In] rated current        | 6 A   |
| Network type              | AC/DC   |
| Trip unit technology      | Thermal-magnetic  |
| Curve code                | D   |
| Breaking capacity         | 6 KA Icu at 100...133 V DC conforming to EN/IEC 60947-2<br>6000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>36 KA Icu at 12...133 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>6 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2   |

**Complementary**

|  |  |
|--|--|
| Network frequency                      | 50/60 Hz   |
| [Ue] rated operational voltage         | 440 V AC 50/60 Hz  |
| Magnetic tripping limit                | 12 x In +/- 20 %   |
| [Ics] rated service breaking capacity  | 27 KA 75 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz<br>15 KA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 KA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>4.5 KA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>6000 A 100 % conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz<br>6 kA 100 % conforming to EN/IEC 60947-2 - 100...133 V DC |
| Limitation class                       | 3 conforming to EN/IEC 60947-2   |
| [Ui] rated insulation voltage          | 500 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2  |
| Contact position indicator             | Yes  |
| Control type                           | Toggle   |
| Local signalling                       | Trip indicator   |
| Mounting mode                          | Clip-on  |
| Mounting support                       | Rail   |
| 9 mm pitches                           | 4  |
| Height                                 | 85 mm  |
| Width                                  | 36 mm  |
| Depth                                  | 78.5 mm  |
| Net weight                             | 0.25 kg  |
| Colour                                 | White  |

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|                          |   |
|--------------------------|---|
| Mechanical durability    | 20000 cycles  |
| Electrical durability    | 10000 cycles  |
| Provision for padlocking | Padlockable   |
| Connections - terminals  | Single terminal (top or bottom) 1...25 mm <sup>2</sup> rigid<br>Single terminal (top or bottom) 1...16 mm <sup>2</sup> flexible |
| Wire stripping length    | 14 mm for top or bottom connection  |
| Tightening torque        | 2 N.m top or bottom   |
| Earth-leakage protection | Separate block  |






## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Standards                             | EN/IEC 60947-2<br>EN/IEC 60898-1 |
| IP degree of protection               | IP20 conforming to IEC 60529     |
| Pollution degree                      | 3 conforming to EN/IEC 60947-2   |
| Tropicalisation                       | 2 conforming to IEC 60068-1      |
| Relative humidity                     | 95 % at 55 °C                    |
| Ambient air temperature for operation | -35...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             | 214 g     |
| Package 1 Height             | 3.6 cm    |
| Package 1 width              | 7.5 cm    |
| Package 1 Length             | 9 cm      |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Weight             | 1.346 kg  |
| Package 2 Height             | 8.5 cm    |
| Package 2 width              | 9.8 cm    |
| Package 2 Length             | 22 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 66        |
| Package 3 Weight             | 15.406 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> |
| 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       |
| Halogen content performance | Halogen free product  |