

## Product data sheet

### Characteristics

# A9F44102

## Acti9 iC60N 1P 2A C Miniature Circuit breaker



### Main

|                           |   |
|---------------------------|---|
| Range                     | Acti9   |
| Product name              | Disbo iC60  |
| Product or component type | Miniature circuit-breaker   |
| Device short name         | IC60N   |
| Poles description         | 1P  |
| Number of protected poles | 1   |
| [In] rated current        | 2 A   |
| Network type              | AC  |
| Trip unit technology      | Thermal-magnetic  |
| Curve code                | C   |
| Breaking capacity         | 50 KA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>15 KA Icu at 12...60 V DC conforming to EN/IEC 60947-2<br>10 KA Icu at 60...72 V DC conforming to EN/IEC 60947-2<br>6000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2   |

### Complementary

|  |   |
|--|---|
| Network frequency                      | 50/60 Hz  |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz   |
| Magnetic tripping limit                | 8 x In +/- 20 %   |
| [Ics] rated service breaking capacity  | 50 KA 100 % conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz<br>50 KA 100 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz<br>50 KA 100 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>6000 A 100 % conforming to EN/IEC 60898-1 - 240 V AC 50/60 Hz<br>15 KA 100 % conforming to EN/IEC 60947-2 - 12...48 V DC<br>6 kA 100 % conforming to EN/IEC 60947-2 - 72 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                           | 2   |
| Height                                 | 85 mm   |
| Width                                  | 18 mm   |
| Depth                                  | 78.5 mm   |
| Net weight                             | 0.125 kg  |
| Colour                                 | White   |

|                          |   |
|--------------------------|---|
| 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             | 111.0 g   |
| Package 1 Height             | 7.5 cm    |
| Package 1 width              | 1.8 cm    |
| Package 1 Length             | 9.0 cm    |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 132       |
| Package 2 Weight             | 15.903 kg |
| Package 2 Height             | 30.0 cm   |
| Package 2 width              | 30.0 cm   |
| Package 2 Length             | 40.0 cm   |

## Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product   |
| REACH Regulation            | <a href="#">REACH Declaration</a>   |
| 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  |