

## Product data sheet

### Characteristics

# A9F44302

## Acti9 iC60N 3P 2A C Miniature Circuit breaker



### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Acti 9                                                                                                                                                                                                                                                                                                                                                                                                |
| Product name              | Disbo iC60                                                                                                                                                                                                                                                                                                                                                                                            |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                             |
| Device short name         | IC60N                                                                                                                                                                                                                                                                                                                                                                                                 |
| Poles description         | 3P                                                                                                                                                                                                                                                                                                                                                                                                    |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                                                                                                     |
| [In] rated current        | 2 A                                                                                                                                                                                                                                                                                                                                                                                                   |
| Network type              | AC                                                                                                                                                                                                                                                                                                                                                                                                    |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                      |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                                                     |
| Breaking capacity         | 50 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 12...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>6000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>15 kA Icu at 100...133 V DC 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                | 8 x In +/- 20 %                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ics] rated service breaking capacity  | 50 KA 100 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>50 KA 100 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz<br>50 KA 100 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>25 KA 100 % 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>15 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                           | 6                                                                                                                                                                                                                                                                                                                                                                                                           |
| Height                                 | 85 mm                                                                                                                                                                                                                                                                                                                                                                                                       |
| Width                                  | 54 mm                                                                                                                                                                                                                                                                                                                                                                                                       |
| Depth                                  | 78.5 mm                                                                                                                                                                                                                                                                                                                                                                                                     |
| Net weight                             | 0.375 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             | 341 g  |
| Package 1 Height             | 7.5 cm |
| Package 1 width              | 5.4 cm |
| Package 1 Length             | 9 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                                                                                                              |