

# Product datasheet

Specifications



## iC60N - miniature circuit breaker - 3P - 20A - C curve

A9F74320

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Range                     | Acti9                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Name              | Acti9 iC60                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Device Short Name         | IC60N                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Poles Description         | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Number Of Protected Poles | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [In] Rated Current        | 20 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Network Type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Trip Unit Technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Curve Code                | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Breaking Capacity         | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>36 kA Icu at 12...60 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>20 kA Icu at 220...240 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<br>36 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 kA Icu at <= 180 V DC conforming to EN/IEC 60947-2 |
| Utilisation Category      | Category A conforming to EN 60947-2<br>Category A conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                           |
| Suitability For Isolation | Yes conforming to EN 60898-1<br>Yes conforming to EN 60947-2<br>Yes conforming to IEC 60898-1<br>Yes conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                        |
| Standards                 | EN 60947-2<br>EN 60898-1<br>IEC 60947-2<br>IEC 60898-1                                                                                                                                                                                                                                                                                                                                                                                                                |

### Complementary

|                         |                 |
|-------------------------|-----------------|
| Network Frequency       | 50/60 Hz        |
| Magnetic Tripping Limit | 8 x In +/- 20 % |

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

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Ics] Rated Service Breaking Capacity</b>            | 15 kA 75 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 kA 75 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>4.5 kA 75 % conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>15 kA 75 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 kA 75 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>4.5 kA 75 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>27 kA 75 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>27 kA 75 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz<br>6000 A 100 % conforming to EN 60898-1 - 400 V AC 50/60 Hz<br>6000 A 100 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz<br>10 kA 100 % conforming to IEC 60947-2 - 125...180 V DC<br>10 kA 100 % conforming to EN 60947-2 - 125...180 V DC |
| <b>Limitation Class</b>                                 | 3 conforming to EN 60898-1<br>3 conforming to IEC 60898-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>[Ui] Rated Insulation Voltage</b>                    | 500 V AC 50/60 Hz conforming to EN 60947-2<br>500 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>[Uimp] Rated Impulse Withstand Voltage</b>           | 6 kV conforming to EN 60947-2<br>6 kV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Contact Position Indicator</b>                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Control Type</b>                                     | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Local Signalling</b>                                 | Trip indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Mounting Mode</b>                                    | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Mounting Support</b>                                 | DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Comb Busbar And Distribution Block Compatibility</b> | Top or bottom: YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>9 Mm Pitches</b>                                     | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Height</b>                                           | 85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Width</b>                                            | 54 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Depth</b>                                            | 78.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Net Weight</b>                                       | 0.375 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Colour</b>                                           | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Mechanical Durability</b>                            | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Electrical Durability</b>                            | 10000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Connections - Terminals</b>                          | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Wire Stripping Length</b>                            | 14 mm for top or bottom connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tightening Torque</b>                                | 2 N.m top or bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Earth-Leakage Protection</b>                         | Separate block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                              |                                                             |
|----------------------------------------------|-------------------------------------------------------------|
| <b>Ip Degree Of Protection</b>               | IP20 conforming to IEC 60529<br>IP20 conforming to EN 60529 |
| <b>Pollution Degree</b>                      | 3 conforming to EN 60947-2<br>3 conforming to IEC 60947-2   |
| <b>Overvoltage Category</b>                  | IV                                                          |
| <b>Tropicalisation</b>                       | 2 conforming to IEC 60068-1                                 |
| <b>Relative Humidity</b>                     | 95 % at 55 °C                                               |
| <b>Operating Altitude</b>                    | 0...2000 m                                                  |
| <b>Ambient Air Temperature For Operation</b> | -35...70 °C                                                 |
| <b>Ambient Air Temperature For Storage</b>   | -40...85 °C                                                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 5.4 cm    |
| Package 1 Width              | 7.5 cm    |
| Package 1 Length             | 9.5 cm    |
| Package 1 Weight             | 338 g     |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 4         |
| Package 2 Height             | 8 cm      |
| Package 2 Width              | 9.5 cm    |
| Package 2 Length             | 22.5 cm   |
| Package 2 Weight             | 1.462 kg  |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 44        |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 16.519 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 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 assessing about product sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Halogen Free Product

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure

[Product Environmental Profile](#)

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