

# Product datasheet

Specifications



## Miniature circuit-breaker. Acti9 iC60N. 1P. 16 A. B curve. 6000 A (IEC 60898-1). 10 kA (IEC 60947-2)

A9F76116

**Price: 406.94 ZAR**

### Main

|                           |   |
|---------------------------|---|
| Device application        | Distribution  |
| Range                     | Acti9   |
| Product name              | Acti9 iC60  |
| Product or component type | Miniature circuit-breaker   |
| Device short name         | IC60N   |
| Poles description         | 1P  |
| Number of protected poles | 1   |
| [In] rated current        | 16 A  |
| Network type              | DC<br>AC  |
| Trip unit technology      | Thermal-magnetic  |
| Curve code                | B   |
| Breaking capacity         | 36 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at 100...133 V AC 50/60 Hz 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>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 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2   |
| Suitability for isolation | Yes conforming to EN/IEC 60898-1<br>Yes conforming to EN/IEC 60947-2  |
| Standards                 | EN/IEC 60947-2<br>EN/IEC 60898-1  |
| Quality labels            | NF  |

### Complementary

|  |  |
|--|--|
| Network frequency                      | 50/60 Hz   |
| Magnetic tripping limit                | 4 x In +/- 20 %  |
| [Ics] rated service breaking capacity  | 27 kA 75 % conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz<br>15 kA 75 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>15 kA 100 % conforming to EN/IEC 60947-2 - 12...60 V DC<br>10 kA 100 % conforming to EN/IEC 60947-2 - 60...72 V DC |
| Limitation class                       | 3 conforming to EN/IEC 60898-1   |
| [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  |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

|  |   |
|--|---|
| control type                                     | Toggle  |
| Local signalling                                 | Trip indicator  |
| Mounting mode                                    | Fixed   |
| Mounting support                                 | DIN rail  |
| Comb busbar and distribution block compatibility | Top or bottom: YES  |
| 9 mm pitches                                     | 2   |
| Height   | 85 mm   |
| Width  | 18 mm   |
| Depth  | 78.5 mm   |
| Net weight                                       | 0.215 kg  |
| Colour   | White   |
| Mechanical durability                            | 20000 cycles  |
| Electrical durability                            | 10000 cycles  |
| 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                         | Without   |

## Environment

|                                       |                                |
|---------------------------------------|--------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529   |
| Pollution degree                      | 3 conforming to EN/IEC 60947-2 |
| Overvoltage category                  | IV                             |
| Tropicalisation                       | 2 conforming to IEC 60068-1    |
| Relative humidity                     | 95 % at 55 °C                  |
| Operating altitude                    | 0...2000 m                     |
| 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 Height             | 1.8 cm  |
| Package 1 Width              | 7.5 cm  |
| Package 1 Length             | 9.5 cm  |
| Package 1 Weight             | 108.0 g |
| Unit Type of Package 2       | BB1     |
| Number of Units in Package 2 | 12      |
| Package 2 Height             | 7.8 cm  |
| Package 2 Width              | 10.0 cm |
| Package 2 Length             | 22.0 cm |

|                              |           |
|------------------------------|-----------|
| Package 2 Weight             | 1.362 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 132       |
| Package 3 Height             | 30.0 cm   |
| Package 3 Width              | 30.0 cm   |
| Package 3 Length             | 40.0 cm   |
| Package 3 Weight             | 15.496 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint 14

Environmental Disclosure [Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant

SCIP Number 26ff71d1-98cf-4280-8725-455b9a6b2fb9

REACH Regulation [REACH Declaration](#)

## Use Longer



### Lifetime extension

Repair No

## Use Again



### Repack and remanufacture

End of life manual availability No need of specific recycling operations

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

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