

# Product datasheet

Specifications



## Miniature circuit-breaker, Acti9 iC60N, 1P+N, 40 A, D curve, 6000 A (IEC 60898-1), 10 kA (IEC 60947-2)

A9F75640

⚠ Discontinued on: 12 Jan 2023

⚠ Discontinued

### Main

|                           |                                                                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device application        | Distribution                                                                                                                                                                                                                                                              |
| Range                     | Acti9                                                                                                                                                                                                                                                                     |
| Product name              | Acti9 iC60                                                                                                                                                                                                                                                                |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                 |
| Device short name         | IC60N                                                                                                                                                                                                                                                                     |
| Poles description         | 1P + N                                                                                                                                                                                                                                                                    |
| Number of protected poles | 1                                                                                                                                                                                                                                                                         |
| Neutral position          | Left                                                                                                                                                                                                                                                                      |
| [In] rated current        | 40 A                                                                                                                                                                                                                                                                      |
| Network type              | AC                                                                                                                                                                                                                                                                        |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                          |
| Curve code                | D                                                                                                                                                                                                                                                                         |
| 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>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                                                                                                                                                                                                                                          |

### Complementary

|                                        |                                                                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                      | 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...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 |
| 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                                                                                                                                                                                                        |
| Control type                           | Toggle                                                                                                                                                                                                     |
| Local signalling                       | Trip indicator                                                                                                                                                                                             |

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

|                                                  |                                                                                                         |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Mounting mode                                    | Fixed                                                                                                   |
| Mounting support                                 | DIN rail                                                                                                |
| Comb busbar and distribution block compatibility | Top or bottom: YES                                                                                      |
| 9 mm pitches                                     | 4                                                                                                       |
| Height                                           | 85 mm                                                                                                   |
| Width                                            | 36 mm                                                                                                   |
| Depth                                            | 78.5 mm                                                                                                 |
| Net weight                                       | 0.25 kg                                                                                                 |
| Colour                                           | White                                                                                                   |
| Mechanical durability                            | 20000 cycles                                                                                            |
| Electrical durability                            | 10000 cycles                                                                                            |
| Connections - terminals                          | Single terminal (top or bottom) 1...35 mm² rigid<br>Single terminal (top or bottom) 1...25 mm² flexible |
| Wire stripping length                            | 14 mm for top or bottom connection                                                                      |
| Tightening torque                                | 3.5 N.m top or bottom                                                                                   |
| Earth-leakage protection                         | Separate block                                                                                          |

## 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             | 7.5 cm    |
| Package 1 Width              | 3.6 cm    |
| Package 1 Length             | 9.4 cm    |
| Package 1 Weight             | 247.777 g |

## 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 >](#)

### Use Better



#### Materials and Substances

EU RoHS Directive

[Compliant By Exemption](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



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