# Product data sheet

Specifications



## iC60N - miniature circuit breaker - 1P - 50A - C curve

A9F74150

## 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** | 50 A |
| **Network type** | DC<br>AC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | C |
| **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 |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **Magnetic tripping limit** | 8 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 |
| **Control type** | Toggle |

List Price displayed is VAT EXCLUSIVE.

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

| | |
|---|---|
| **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…35 $mm^2$ rigid<br>Single terminal (top or bottom) 1…25 $mm^2$ flexible |
| **Wire stripping length** | 14 mm for top or bottom connection |
| **Tightening torque** | 3.5 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** | 7.5 cm |
| **Package 1 Width** | 1.8 cm |
| **Package 1 Length** | 9.5 cm |
| **Package 1 Weight** | 128.0 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 8.0 cm |
| **Package 2 Width** | 9.8 cm |
| **Package 2 Length** | 22.5 cm |
| **Package 2 Weight** | 1.591 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** | 18.008 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 | **23 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.8 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **22 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.4 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **26ff71d1-98cf-4280-8725-455b9a6b2fb9** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| Halogen-free status | **Product contains halogen above thresholds** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **54** |
| 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**







3,5N.m
14mm
IEC/EN 60898-1
Ue=230/400V Icn=6000A 50/60Hz
IEC/EN 60947-2
Tref=50°C
Ue
133V
240V
Icu
20kA
10kA
50/60Hz
Ics/Icu
75%
75%
Uimp=6kV
Ui=500V
Deg 3
Cat A
Schneider Electric
CS 30323
F - 92506 Rueil-Malmaison Cedex

