

# Product datasheet

Specifications



Miniature circuit breaker (MCB),  
Acti9 iC60N, 3P, 4A, B curve, 6000A  
(IEC/EN 60898-1), 50kA (IEC/EN  
60947-2)

A9F73304

## 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        | 4 A                                                                                                                                                                                                                                                                                                                                                                                                |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                           |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                   |
| Curve code                | B                                                                                                                                                                                                                                                                                                                                                                                                  |
| Breaking capacity         | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>50 kA Icu at 12...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 kA Icu at 220...240 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>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                 | IEC 60898-1<br>EN 60898-1<br>IEC 60947-2<br>EN 60947-2                                                                                                                                                                                                                                                                                                                                             |

## Complementary

|                         |                 |
|-------------------------|-----------------|
| Network frequency       | 50/60 Hz        |
| Magnetic tripping limit | 4 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

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity            | 50 kA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>50 kA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>50 kA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>25 kA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>50 kA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>25 kA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>50 kA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>50 kA 100 % 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 |
| Limitation class                                 | 3 conforming to EN 60898-1<br>3 conforming to IEC 60898-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ui] rated insulation voltage                    | 500 V AC 50/60 Hz conforming to EN 60947-2<br>500 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage           | 6 kV conforming to EN 60947-2<br>6 kV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contact position indicator                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                                     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Connections - terminals                          | Single terminal (top or bottom) 1...25 mm² rigid<br>Single terminal (top or bottom) 1...16 mm² 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

|                                       |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP20 conforming to EN 60529 |
| Pollution degree                      | 3 conforming to EN 60947-2<br>3 conforming to 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             | 5.5 cm    |
| Package 1 Width              | 7.5 cm    |
| Package 1 Length             | 9.5 cm    |
| Package 1 Weight             | 333 g     |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 8 cm      |
| Package 2 Width              | 10 cm     |
| Package 2 Length             | 22.5 cm   |
| Package 2 Weight             | 1.393 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             | 15.721 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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.

How this information helps you >

|  Environmental footprint |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)                                                     | 42                                            |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                        |
|------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant                              |
| SCIP Number                                                                                                | 26ff71d1-98cf-4280-8725-455b9a6b2fb9   |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>      |
| China RoHS Regulation                                                                                      | <a href="#">China RoHS declaration</a> |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile                                                                                          | No need of specific recycling operations                                                                                                                                                                        |
| WEEE                                                                                                         |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Take-back                                                                                                    | No                                                                                                                                                                                                              |