# Product datasheet

Specifications

Discontinued

## Miniature circuit breaker (MCB), Acti9 iC60L, 4P, 1A, Z curve, 15000A (IEC/EN 60898-1), 100kA (IEC/EN 60947-2)

A9F92401

Discontinued on: Jun 30, 2023

## Main

| | |
|---|---|
| **Device application** | Distribution |
| **Range** | Acti9 |
| **Product name** | Acti9 iC60 |
| **Product or component type** | Miniature circuit-breaker |
| **Device short name** | iC60L |
| **Poles description** | 4P |
| **Number of protected poles** | 4 |
| **[In] rated current** | 1 A |
| **Network type** | AC<br>DC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | Z |
| **Breaking capacity** | 15000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>70 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>100 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>100 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>100 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>100 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at <= 250 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 60947-2<br>Yes conforming to IEC 60947-2 |
| **Standards** | EN 60947-2<br>IEC 60947-2 |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **Magnetic tripping limit** | 3 x In +/- 20 % |
| **[Ics] rated service breaking capacity** | 100 kA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>100 kA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>100 kA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>70 kA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>100 kA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>70 kA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>100 kA 100 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz<br>100 kA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>20 kA 100 % conforming to EN 60947-2 - 180...250 V DC<br>20 kA 100 % conforming to IEC 60947-2 - 180...250 V DC |

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

| | |
|---|---|
| **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** | 8 |
| **Height** | 85 mm |
| **Width** | 72 mm |
| **Depth** | 78.5 mm |
| **Net weight** | 0.5 kg |
| **Colour** | White |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 10000 cycles |
| **Connections - terminals** | Single terminal (top or bottom) 1…25 $mm^2$ rigid<br>Single terminal (top or bottom) 1…16 $mm^2$ 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** | 7.5 cm |
| **Package 1 Width** | 7.2 cm |
| **Package 1 Length** | 9.4 cm |

| | |
|---|---|
| **Package 1 Weight** | 468.308 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 3 |
| **Package 2 Height** | 8 cm |
| **Package 2 Width** | 9.8 cm |
| **Package 2 Length** | 22.5 cm |
| **Package 2 Weight** | 1.452 kg |
| **Unit Type of Package 3** | S02 |
| **Number of Units in Package 3** | 12 |
| **Package 3 Height** | 15 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 6.675 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 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-$CO_2$ 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 assess a product's sustainability >

Transparency

RoHS/REACh

## Well-being performance

| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

| | |
|---|---|
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |