

# Product datasheet

Specifications



Miniature circuit-breaker, Acti9 iC60L, 1P, 16 A, C curve, 6000 A (IEC 60898-1), 25 kA (IEC 60947-2)

A9F94116

EAN Code: 3606480084461

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                   |
| Range                     | Acti9                                                                                                                                                                                                                                                                                                                                                                                          |
| Product name              | Acti9 iC60                                                                                                                                                                                                                                                                                                                                                                                     |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                      |
| Device short name         | iC60L                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                | C                                                                                                                                                                                                                                                                                                                                                                                              |
| Breaking capacity         | 15000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>50 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2<br>25 kA Icu at 12...60 V DC conforming to EN/IEC 60947-2<br>25 kA Icu at 220...240 V AC 50/60 Hz 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                 | EN 60898-1<br>IEC 60947-2<br>EN 60947-2<br>IEC 60898-1                                                                                                                                                                                                                                                                                                                                         |

## Complementary

|                         |                 |
|-------------------------|-----------------|
| Network frequency       | 50/60 Hz        |
| Magnetic tripping limit | 8 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            | 12.5 kA 50 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>12.5 kA 50 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>35 kA 50 % conforming to EN 60947-2 - 12...60 V AC 50/60 Hz<br>35 kA 50 % conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz<br>25 kA 50 % conforming to EN 60947-2 - 100...133 V AC 50/60 Hz<br>25 kA 50 % conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz<br>7500 A 50 % conforming to EN 60898-1 - 230 V AC 50/60 Hz<br>7500 A 50 % conforming to IEC 60898-1 - 230 V AC 50/60 Hz<br>20 kA 100 % conforming to EN 60947-2 - 72 V DC<br>20 kA 100 % conforming to IEC 60947-2 - 72 V DC<br>25 kA 100 % conforming to EN 60947-2 - 12...60 V DC<br>25 kA 100 % conforming to IEC 60947-2 - 12...60 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                                     | 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 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                         | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## 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             | 7.3 cm   |
| Package 1 Width              | 1.8 cm   |
| Package 1 Length             | 8.5 cm   |
| Package 1 Weight             | 113.0 g  |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 12       |
| Package 2 Height             | 8.1 cm   |
| Package 2 Width              | 9.8 cm   |
| Package 2 Length             | 22.4 cm  |
| Package 2 Weight             | 1.422 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             | 16.13 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<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Halogen Free Product       |     |

Certifications & Standards

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                                   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                               |
| 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                                                                                    |