

# Product Datasheet

## Characteristic

# A9F84102

Miniature circuit breaker (MCB), Acti9  
iC60H, 1P, 2A, C curve, 10000A (IEC/EN  
60898-1), 70kA (IEC/EN 60947-2)



## Main

|                           |  |
|---------------------------|--|
| Device application        | Distribution   |
| Range                     | Acti9  |
| Product name              | Acti9 iC60   |
| product or component type | Miniature circuit-breaker  |
| Device short name         | iC60H  |
| poles description         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 2 A  |
| Network type              | DC<br>AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 10000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>15 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2<br>20 kA Icu at 12...60 V DC 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>70 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 kA Icu at 100...133 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 60947-2<br>IEC 60947-2<br>IEC 60898-1<br>EN 60898-1   |

## Complementary

|                                       |  |
|---------------------------------------|--|
| Network frequency                     | 50/60 Hz   |
| Magnetic tripping limit               | 8 x In +/- 20 %  |
| [Ics] rated service breaking capacity | 70 kA 100 % conforming to EN 60947-2 - 12...60 V AC 50/60 Hz<br>70 kA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>70 kA 100 % conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz<br>70 kA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz |

|  |  |
|--|--|
|  | 7500 A 75 % conforming to EN 60898-1 - 230 V AC 50/60 Hz<br>7500 A 75 % conforming to IEC 60898-1 - 230 V AC 50/60 Hz<br>70 kA 100 % conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz<br>70 kA 100 % conforming to EN 60947-2 - 100...133 V AC 50/60 Hz<br>15 kA 100 % conforming to EN 60947-2 - 72 V DC<br>15 kA 100 % conforming to IEC 60947-2 - 72 V DC<br>20 kA 100 % conforming to EN 60947-2 - 12...60 V DC<br>20 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 mm <sup>2</sup> rigid<br>Single terminal (top or bottom) 1...16 mm <sup>2</sup> 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             | 2.000 cm  |
| Package 1 Width              | 7.500 cm  |
| Package 1 Length             | 9.500 cm  |
| Package 1 Weight             | 112.100 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.000 cm  |
| Package 2 Width              | 10.000 cm |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.398 kg  |

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 132       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 15.769 kg |

### Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product   |
| REACH Regulation            | Reference contains Substances of Very High Concern above the threshold  |
| EU RoHS Directive           | Compliant with Exemptions   |
| Mercury free                | Yes   |
| China RoHS Regulation       | Product out of China RoHS scope. Substance declaration for your information   |
| RoHS exemption information  | Yes   |
| Environmental Disclosure    | ENVPEP1705002EN   |
| Circularity Profile         | N/A   |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Halogen content performance | Halogen free product  |