

# A9F83604

Miniature circuit-breaker, Acti9 iC60H, 1P+N, 4 A, B curve, 10000 A (IEC 60898-1), 70 kA (IEC 60947-2)



## Main

|                           |  |
|---------------------------|--|
| Device application        | Distribution   |
| Range                     | Acti 9   |
| Product name              | Acti 9 iC60  |
| Product or component type | Miniature circuit-breaker  |
| Device short name         | IC60H  |
| Poles description         | 1P + N   |
| Number of protected poles | 1  |
| Neutral position          | Left   |
| [In] rated current        | 4 A  |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | B  |
| Breaking capacity         | 10000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1<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                 | IEC 60898-1<br>EN 60898-1<br>EN 60947-2<br>IEC 60947-2   |

## Complementary

|  |  |
|--|--|
| Network frequency                      | 50/60 Hz   |
| Magnetic tripping limit                | 4 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<br>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 |
| 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                                     | 4   |
| Height   | 85 mm   |
| Width  | 36 mm   |
| Depth  | 78.5 mm   |
| Net weight                                       | 0.25 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                         | 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 Weight             | 258 g  |
| Package 1 Height             | 7.5 cm |
| Package 1 width              | 3.6 cm |
| Package 1 Length             | 9.4 cm |

## Offer Sustainability

|                             |   |
|-----------------------------|---|
| Sustainable offer status    | Green Premium product                         |
| REACH Regulation            | <a href="#">REACH Declaration</a>             |
| REACH free of SVHC          | Yes   |
| EU RoHS Directive           | Compliant <a href="#">EU RoHS Declaration</a> |
| Mercury free                | Yes   |
| RoHS exemption information  | <a href="#">Yes</a>                           |
| China RoHS Regulation       | <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a> |
| Halogen content performance | Halogen free product                          |

## Contractual warranty

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