

# Product datasheet

Specifications



## miniature circuit breaker - C60H - 1 pole - 6 A - C curve

A9N61506

### Main

|                           |   |
|---------------------------|---|
| Range                     | Acti9   |
| Product name              | Acti9 C60H-DC   |
| Product or component type | Miniature circuit-breaker   |
| Device short name         | C60H-DC   |
| Device application        | Distribution  |
| Poles description         | 1P  |
| Number of protected poles | 1   |
| [In] rated current        | 6 A at 25 °C  |
| Network type              | DC  |
| Trip unit technology      | Thermal-magnetic  |
| Curve code                | C   |
| Breaking capacity         | 10 kA Icu at 220 V DC conforming to EN 60947-2<br>10 kA Icu at 220 V DC conforming to IEC 60947-2<br>6 kA Icu at 250 V DC conforming to EN 60947-2<br>6 kA Icu at 250 V DC conforming to IEC 60947-2<br>20 kA Icu at 110 V DC conforming to EN 60947-2<br>20 kA Icu at 110 V DC conforming to 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 IEC 60947-2<br>Yes conforming to EN 60947-2   |

### Complementary

|  |   |
|--|---|
| Network frequency                      | 50/60 Hz  |
| [Ue] rated operational voltage         | 250 V DC  |
| [Ics] rated service breaking capacity  | 15 kA 75 % conforming to EN 60947-2 - 110 V DC<br>15 kA 75 % conforming to IEC 60947-2 - 110 V DC<br>4.5 kA 75 % conforming to EN 60947-2 - 250 V DC<br>4.5 kA 75 % conforming to IEC 60947-2 - 250 V DC<br>7.5 kA 75 % conforming to EN 60947-2 - 220 V DC<br>7.5 kA 75 % conforming to IEC 60947-2 - 220 V DC |
| [Ui] rated insulation voltage          | 500 V DC conforming to IEC 60947-2<br>500 V DC conforming to EN 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                                 | ON/OFF indication                    |
| Mounting mode                                    | Fixed                                |
| Mounting support                                 | 35 mm symmetrical DIN rail           |
| Comb busbar and distribution block compatibility | Top or bottom: standard              |
| 9 mm pitches                                     | 2                                    |
| Net weight                                       | 0.128 kg                             |
| Colour   | White                                |
| Mechanical durability                            | 20000 cycles                         |
| Electrical durability                            | 3000 cycles L/R = 2 ms               |
| Provision for padlocking                         | Padlockable                          |
| Locking options description                      | In position O                        |
| Tightening torque                                | Power circuit: 2.5 N.m top or bottom |
| Earth-leakage protection                         | Without                              |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 60947-2<br>IEC 60947-2                                 |
| Pollution degree                      | 3 conforming to EN 60947-2<br>3 conforming to IEC 60947-2 |
| Overvoltage category                  | IV  |
| Tropicalisation                       | 2 conforming to IEC 60068-2                               |
| Operating altitude                    | 2000 m  |
| Ambient air temperature for operation | -25...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             | 7.2 cm  |
| Package 1 Width              | 1.8 cm  |
| Package 1 Length             | 8.5 cm  |
| Package 1 Weight             | 112.0 g |
| Unit Type of Package 2       | BB1     |
| Number of Units in Package 2 | 12      |
| Package 2 Height             | 2.9 cm  |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 20.0 cm |
| Package 2 Weight             | 1.38 kg |
| Unit Type of Package 3       | S03     |
| Number of Units in Package 3 | 144     |
| Package 3 Height             | 30.0 cm |
| Package 3 Width              | 30.0 cm |
| Package 3 Length             | 40.0 cm |

Package 3 Weight 17.11 kg

## Offer Sustainability

Sustainable offer status Green Premium product

REACH Regulation [REACH Declaration](#)

REACH free of SVHC Yes

EU RoHS Directive Compliant  
[EU RoHS Declaration](#)

Toxic heavy metal free Yes

Mercury free Yes

China RoHS Regulation [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

RoHS exemption information [Yes](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile No need of specific recycling operations

## Contractual warranty

Warranty 18 months

Recommended replacement(s)

