

# Product Datasheet

## Characteristic

# A9N61523

Miniature circuit breaker (MCB), Acti9  
C60H-DC, 2P, 3A, C curve, 6kA (IEC/EN  
60947-2)



## 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         | 2P                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                                                                                                                                              |
| [In] rated current        | 3 A at 25 °C                                                                                                                                                                                                                                                                                                                                                                                                   |
| Network type              | DC                                                                                                                                                                                                                                                                                                                                                                                                             |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                               |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                                                              |
| Breaking capacity         | 10 kA Icu at 440 V DC conforming to EN 60947-2<br>10 kA Icu at 440 V DC conforming to IEC 60947-2<br>6 kA Icu at 500 V DC conforming to EN 60947-2<br>6 kA Icu at 500 V DC conforming to IEC 60947-2<br>20 kA Icu at 220 V DC conforming to GB 14048.2<br>20 kA Icu at 220 V DC conforming to IEC 60947-2<br>20 kA Icu at 250 V DC conforming to GB 14048.2<br>20 kA Icu at 250 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        | 500 V DC                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ics] rated service breaking capacity | 15 kA 75 % conforming to EN 60947-2 - 220 V DC<br>15 kA 75 % conforming to IEC 60947-2 - 220 V DC<br>15 kA 75 % conforming to EN 60947-2 - 250 V DC<br>15 kA 75 % conforming to IEC 60947-2 - 250 V DC<br>4.5 kA 75 % conforming to EN 60947-2 - 500 V DC<br>4.5 kA 75 % conforming to IEC 60947-2 - 500 V DC<br>7.5 kA 75 % conforming to EN 60947-2 - 440 V DC<br>7.5 kA 75 % conforming to IEC 60947-2 - 440 V DC |
| [Ui] rated insulation voltage         | 500 V DC conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                   |

|                                                  |                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------|
|                                                  | 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                                     | 4                                                               |
| net weight                                       | 0.256 kg                                                        |
| Colour                                           | White                                                           |
| Mechanical durability                            | 20000 cycles                                                    |
| Electrical durability                            | 3000 cycles L/R = 2 ms                                          |
| Provision for padlocking                         | Padlockable                                                     |
| Locking options description                      | In position 0                                                   |
| 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             | 7.5 cm    |
| Package 1 Width              | 3.6 cm    |
| Package 1 Length             | 8.5 cm    |
| Package 1 Weight             | 240 g     |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 9 cm      |
| Package 2 Width              | 8 cm      |
| Package 2 Length             | 22 cm     |
| Package 2 Weight             | 1.459 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 72        |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 17.955 kg |

## Offer Sustainability

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Sustainable offer status | Green Premium product                                       |
| REACH Regulation         | Free of Substances of Very High Concern above the threshold |
| REACH free of SVHC       | Yes                                                         |
| EU RoHS Directive        | Compliant                                                   |

|                            |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| Toxic heavy metal free     | Yes                                                               |
| Mercury free               | Yes                                                               |
| China RoHS Regulation      | Pro-active China RoHS declaration (out of China RoHS legal scope) |
| RoHS exemption information | Yes                                                               |
| Environmental Disclosure   | ENVPEP2308050EN                                                   |
| Circularity Profile        | N/A                                                               |