

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 C60H-DC, 2P, 1A, C curve, 6kA (IEC/EN 60947-2)

A9N61521

### 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        | 1 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<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                                                                                                                                                                                                                                                                                                                                                                                                                  |

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

|                                                  |                                      |
|--------------------------------------------------|--------------------------------------|
| 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 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             | 7.5 cm   |
| Package 1 Width              | 3.6 cm   |
| Package 1 Length             | 8.5 cm   |
| Package 1 Weight             | 230 g    |
| Unit Type Of Package 2       | BB1      |
| Number Of Units In Package 2 | 6        |
| Package 2 Height             | 2.63 cm  |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 20 cm    |
| Package 2 Weight             | 1.394 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 | 17.111 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.

[Learn more about Green Premium >](#)

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Transparency   RoHS/REACH

Well-being performance

|                              |     |
|------------------------------|-----|
| ✓ Toxic Heavy Metal Free     |     |
| ✓ Mercury Free               |     |
| ✓ Rohs Exemption Information | Yes |

Certifications & Standards

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                           |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>                                                            |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                               |
| Circularity Profile      | No need of specific recycling operations                                                                    |