# Product data sheet
## Characteristics

# A9N61531
## Miniature circuit breaker (MCB), Acti9 C60H-DC, 2P, 16A, 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 | 16 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 |
| Standards | EN 60947-2<br>IEC 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 |
| 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 |
| 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

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|---|---|
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.500 Cm |
| Package 1 Width | 7.300 Cm |
| Package 1 Length | 8.300 Cm |
| Package 1 Weight | 226.000 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 8.300 Cm |
| Package 2 Width | 9.200 Cm |
| Package 2 Length | 22.600 Cm |
| Package 2 Weight | 1.410 Kg |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 72 |
| Package 3 Height | 30.000 Cm |
| Package 3 Width | 30.000 Cm |
| Package 3 Length | 40.000 Cm |
| Package 3 Weight | 17.426 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 53 |
| Total lifecycle Carbon footprint | 29 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.5953358649893679 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.030622901367919248 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.016809154989728455 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 26.928333333333327 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 27 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | No |

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|---|---|
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.6065732565176948 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.6 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 29 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | A5974528-db7a-4dab-baff-e3d40953a6f2 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| OECD PFAS Regulation | Item contains PFAS Chemicals |
| POP Directive | No POPs |
| Halogen-free status | Product contains halogen above thresholds |
| PVC free | Yes |
| Silicone-free | No |
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised