# Product datasheet

Specifications

Green Premium™

## Miniature circuit breaker (MCB), Multi9 C60BP, 1P, 8A, C curve, 14kA (UL489), 10kA (IEC/EN 60947-2)

M9F42108

## Main

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|---|---|
| **Range** | Multi9 |
| **Product Name** | Multi9 C60 |
| **Product Or Component Type** | Miniature circuit-breaker |
| **Device Short Name** | C60BP |
| **Device Application** | Distribution |
| **Poles Description** | 1P |
| **Number Of Protected Poles** | 1 |
| **[In] Rated Current** | 8 A at 25 °C conforming to EN/IEC 60947-2 |
| **Network Type** | DC<br>AC |
| **Trip Unit Technology** | Thermal-magnetic |
| **Curve Code** | C |
| **Breaking Capacity** | 3 kA Icu at 415 V AC conforming to EN/IEC 60947-2<br>10 kA Icu at 240 V AC conforming to EN/IEC 60947-2<br>20 kA Icu at 60 V DC conforming to EN/IEC 60947-2<br>3 kA Icu at 415 V AC conforming to GB 14048.2<br>10 kA Icu at 240 V AC conforming to GB 14048.2<br>20 kA Icu at 60 V DC conforming to GB 14048.2<br>10 kA AIR at 277 V AC conforming to UL 489<br>14 kA AIR at 240 V AC conforming to UL 489<br>14 kA AIR at 120 V AC conforming to UL 489<br>10 kA AIR at 60 V DC conforming to UL 489<br>10 kA AIR at 277 V AC conforming to CSA C22.2 No 5<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 5<br>14 kA AIR at 120 V AC conforming to CSA C22.2 No 5<br>10 kA AIR at 60 V DC conforming to CSA C22.2 No 5 |
| **Suitability For Isolation** | Yes conforming to EN/IEC 60947-2 |
| **Standards** | EN/IEC 60947-2<br>GB 14048.2<br>UL 489<br>CSA C22.2 No 5 |
| **Product Certifications** | IEC<br>CCC<br>CSA<br>UL |

## Complementary

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|---|---|
| **[Ue] Rated Operational Voltage** | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>60 V DC |
| **Magnetic Tripping Limit** | 8.5 x In +/- 20 % AC<br>12 x In +/- 20 % DC |

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

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|---|---|
| **[Ics] Rated Service Breaking Capacity** | 2.25 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC<br>2.25 kA 75 % conforming to GB 14048.2 - 415 V AC<br>7.5 kA 75 % conforming to GB 14048.2 - 240 V AC<br>15 kA 75 % conforming to GB 14048.2 - 60 V DC<br>15 kA 75 % conforming to EN/IEC 60947-2 - 60 V DC |
| **[Ui] Rated Insulation Voltage** | 500 V AC conforming to EN/IEC 60947-2 |
| **[Uimp] Rated Impulse Withstand Voltage** | 6 kV conforming to EN/IEC 60947-2 |
| **Contact Position Indicator** | Yes |
| **Control Type** | Toggle |
| **Local Signalling** | ON/OFF indication |
| **Mounting Mode** | Clip-on |
| **Mounting Support** | DIN rail |
| **9 Mm Pitches** | 2 |
| **Height** | 103 mm |
| **Width** | 18 mm |
| **Depth** | 72 mm |
| **Colour** | Grey |
| **Mechanical Durability** | 20000 cycles |
| **Electrical Durability** | 10000 cycles |
| **Provision For Padlocking** | Padlockable |
| **Connections - Terminals** | Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 8) - rigid<br>Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 8) - flexible |
| **Wire Stripping Length** | 14 mm for top or bottom connection |
| **Tightening Torque** | 2.5 N.m top or bottom |
| **Earth-Leakage Protection** | Without |

## Environment

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|---|---|
| **Ip Degree Of Protection** | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| **Pollution Degree** | 3 conforming to EN/IEC 60947-2 |
| **Tropicalisation** | 2 conforming to IEC 60068-1 |
| **Relative Humidity** | 95 % at 55 °C |
| **Operating Altitude** | 0...2000 m |
| **Ambient Air Temperature For Operation** | -30…70 °C |
| **Ambient Air Temperature For Storage** | -40…80 °C |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 1.8 cm |
| **Package 1 Width** | 7.5 cm |
| **Package 1 Length** | 10.3 cm |

| | |
|---|---|
| **Package 1 Weight** | 119 g |
| **Unit Type Of Package 2** | BB1 |
| **Number Of Units In Package 2** | 12 |
| **Package 2 Height** | 8.3 cm |
| **Package 2 Width** | 10.8 cm |
| **Package 2 Length** | 22 cm |
| **Package 2 Weight** | 1.487 kg |
| **Unit Type Of Package 3** | S03 |
| **Number Of Units In Package 3** | 108 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 13.92 kg |

## 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-$CO_2$ 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 >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Halogen Free Product | |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | No need of specific recycling operations |