# Product data sheet

Specifications



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

M9F42110

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **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 |
| **Line Rated Current** | 10 A 77 °F (25 °C) EN/IEC 60947-2 |
| **Network type** | AC<br>DC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | C |
| **Breaking capacity** | 3 kA Icu 415 V AC EN/IEC 60947-2<br>10 kA Icu 240 V AC EN/IEC 60947-2<br>20 kA Icu 60 V DC EN/IEC 60947-2<br>3 kA Icu 415 V AC GB/T 14048.2<br>10 kA Icu 240 V AC GB/T 14048.2<br>20 kA Icu 60 V DC GB/T 14048.2<br>10 kA AIR 277 V AC UL 489<br>14 kA AIR 240 V AC UL 489<br>14 kA AIR 120 V AC UL 489<br>10 kA AIR 60 V DC UL 489<br>10 kA AIR 277 V AC CSA C22.2 No 5<br>14 kA AIR 240 V AC CSA C22.2 No 5<br>14 kA AIR 120 V AC CSA C22.2 No 5<br>10 kA AIR 60 V DC CSA C22.2 No 5 |
| **Standards** | EN/IEC 60947-2<br>GB/T 14048.2<br>UL 489<br>CSA C22.2 No 5 |
| **Product certifications** | IEC<br>CCC<br>CSA<br>UL |

## Complementary

| | |
|---|---|
| **[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 |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---|---|
| **[Ics] rated service breaking capacity** | 2.25 kA 75 % EN/IEC 60947-2 - 415 V AC<br>7.5 kA 75 % EN/IEC 60947-2 - 240 V AC<br>2.25 kA 75 % GB/T 14048.2 - 415 V AC<br>7.5 kA 75 % GB/T 14048.2 - 240 V AC<br>15 kA 75 % GB/T 14048.2 - 60 V DC<br>15 kA 75 % EN/IEC 60947-2 - 60 V DC |
| **[Ui] rated insulation voltage** | 500 V AC EN/IEC 60947-2 |
| **[Uimp] rated impulse withstand voltage** | 6 kVEN/IEC 60947-2 |
| **Suitability for isolation** | Yes 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** | 4.06 in (103 mm) |
| **Width** | 0.7 in (18 mm) |
| **Depth** | 2.8 in (72 mm) |
| **color** | Gray |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 10000 cycles |
| **Provision for padlocking** | Padlockable |
| **Connections - terminals** | Tunnel type terminal top or bottom) 0.002…0.04 in² (1…25 mm²) AWG 18...AWG 8) - rigid<br>Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 8) - flexible |
| **Wire stripping length** | 0.6 in (14 mm) for top or bottom connection |
| **Tightening torque** | 22.1 lbf.in (2.5 N.m) top or bottom |
| **Earth-leakage protection** | Without |

# Environment

| | |
|---|---|
| **IP degree of protection** | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| **Pollution degree** | 3 EN/IEC 60947-2 |
| **Tropicalisation** | 2 IEC 60068-1 |
| **Relative humidity** | 95 % 131 °F (55 °C) |
| **Operating altitude** | 0...6561.68 ft (0...2000 m) |
| **Ambient air temperature for operation** | -22…158 °F (-30…70 °C) |
| **Ambient Air Temperature for Storage** | -40…176 °F (-40…80 °C) |

# Ordering and shipping details

| | |
|---|---|
| **Category** | US10DE200949 |
| **Discount Schedule** | 0DE2 |
| **GTIN** | 3606481169600 |

| | |
|---|---|
| **Returnability** | Yes |
| **Country of origin** | FR |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 0.709 in (1.800 cm) |
| **Package 1 Width** | 2.835 in (7.200 cm) |
| **Package 1 Length** | 4.055 in (10.300 cm) |
| **Package weight(Lbs)** | 4.198 oz (119.000 g) |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 3.307 in (8.400 cm) |
| **Package 2 Width** | 4.213 in (10.700 cm) |
| **Package 2 Length** | 8.661 in (22.000 cm) |
| **Package 2 Weight** | 3.232 lb(US) (1.466 kg) |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 108 |
| **Package 3 Height** | 11.811 in (30.000 cm) |
| **Package 3 Width** | 11.811 in (30.000 cm) |
| **Package 3 Length** | 15.748 in (40.000 cm) |
| **Package 3 Weight** | 30.203 lb(US) (13.700 kg) |

## Contractual warranty

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

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **11 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.9 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **10 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **40a4e715-7fff-45ff-88bf-38212f6a80a5** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov** |
| Halogen content performance | **Halogen free plastic parts product** |
| PVC free | **Yes** |
| Silicon free | **No** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **56** |
| Circularity Profile | **No need of specific recycling operations** |
| Take-back | **No** |

| | |
|---|---|
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |