

# Product datasheet

Specifications



## Multi 9 - C60BP - MCB - 1P - 20 A - C Curve - 277 V - 10 kA - UL 489

M9F42120

### 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  |
| [In] rated current        | 20 A at 25 °C conforming to EN/IEC 60947-2   |
| network type              | AC<br>DC   |
| 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 |
| 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

|                                |   |
|--------------------------------|---|
| [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

|  |  |
|--|--|
| [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  |
| Suitability for isolation              | Yes 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

|                                       |  |
|---------------------------------------|--|
| 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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 7.500 cm |
| Package 1 Width              | 1.800 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Length             | 10.300 cm |
| Package 1 Weight             | 123.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.300 cm  |
| Package 2 Width              | 10.800 cm |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.515 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 108       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 14.248 kg |

# 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

|   |    |
|---|----|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 13 |
|---|----|

|                          |   |
|--------------------------|---|
| Environmental Disclosure | <a href="#">Product Environmental Profile</a> |
|--------------------------|---|

## Use Better

### Materials and Substances

|  |     |
|--|-----|
| Packaging made with recycled cardboard | Yes |
|--|-----|

|                                      |     |
|--------------------------------------|-----|
| Packaging without single use plastic | Yes |
|--------------------------------------|-----|

|                                   |           |
|-----------------------------------|-----------|
| <a href="#">EU RoHS Directive</a> | Compliant |
|-----------------------------------|-----------|

|             |                                      |
|-------------|--------------------------------------|
| SCIP Number | 40a4e715-7fff-45ff-88bf-38212f6a80a5 |
|-------------|--------------------------------------|

|                  |                                   |
|------------------|-----------------------------------|
| REACH Regulation | <a href="#">REACH Declaration</a> |
|------------------|-----------------------------------|

|                       |  |
|-----------------------|--|
| China RoHS Regulation | <a href="#">China RoHS declaration</a> |
|-----------------------|--|

## Use Again

### Repack and remanufacture

WEEE



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

Take-back

No