

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60BP, 2P, 20A, C curve,  
10kA (UL489), 10kA (IEC/EN  
60947-2)

M9F42220

Product availability: Stock - Normally stocked in distribution facility

Price\*: 246.00 USD

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                    |
| Device short name         | C60BP                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                 |
| poles description         | 2P                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Line Rated Current        | 20 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                            |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                             |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Breaking capacity         | 6 kA Icu 440 V AC EN/IEC 60947-2<br>10 kA Icu 415 V AC EN/IEC 60947-2<br>20 kA Icu 240 V AC EN/IEC 60947-2<br>6 kA Icu 440 V AC GB 14048.2<br>10 kA Icu 415 V AC GB 14048.2<br>20 kA Icu 240 V AC GB 14048.2<br>14 kA AIR 240 V AC UL 489<br>10 kA AIR 125 V DC UL 489<br>10 kA AIR 480Y/277 V AC UL 489<br>14 kA AIR 240 V AC CSA C22.2 No 5<br>10 kA AIR 480Y/277 V AC CSA C22.2 No 5<br>10 kA AIR 125 V DC CSA C22.2 No 5 |
| Suitability for isolation | Yes 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

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| [Ue] rated operational voltage | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>440 V AC 50/60 Hz |
|--------------------------------|-------------------------------------------------------------|

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

|                                        |                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Magnetic tripping limit                | 8.5 x In +/- 20 % AC<br>12 x In +/- 20 % DC                                                                                                                                                                                                                                                            |
| [Ics] rated service breaking capacity  | 4.5 kA 75 % EN/IEC 60947-2 - 440 V AC<br>7.5 kA 75 % EN/IEC 60947-2 - 415 V AC<br>15 kA 75 % EN/IEC 60947-2 - 240 V AC<br>4.5 kA 75 % GB 14048.2 - 440 V AC<br>7.5 kA 75 % GB 14048.2 - 415 V AC<br>15 kA 75 % GB 14048.2 - 240 V AC                                                                   |
| [Ui] rated insulation voltage          | 500 V AC EN/IEC 60947-2                                                                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage | 6 kV/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                           | 4                                                                                                                                                                                                                                                                                                      |
| Height                                 | 4.06 in (103 mm)                                                                                                                                                                                                                                                                                       |
| Width                                  | 1.4 in (36 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              | 3606481169761 |

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

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 2.953 in (7.500 cm)       |
| Package 1 Width              | 1.417 in (3.600 cm)       |
| Package 1 Length             | 4.055 in (10.300 cm)      |
| Package 1 Weight             | 8.677 oz (246.000 g)      |
| Unit Type of Package 2       | BB1                       |
| Number of Units in Package 2 | 6                         |
| Package 2 Height             | 3.268 in (8.300 cm)       |
| Package 2 Width              | 4.252 in (10.800 cm)      |
| Package 2 Length             | 8.661 in (22.000 cm)      |
| Package 2 Weight             | 3.384 lb(US) (1.535 kg)   |
| Unit Type of Package 3       | S03                       |
| Number of Units in Package 3 | 54                        |
| 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             | 31.085 lb(US) (14.100 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<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 >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

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

## Certifications & Standards

|                          |                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                            |
| Eu RoHS Directive        | Compliant with Exemptions                                                                                                    |
| China RoHS Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                                |
| 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                                                                                     |