

# Product datasheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60SP, 1P, 3A, B curve,  
10kA (UL1077), 10kA (IEC/EN  
60947-2)

M9F21103

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Device short name         | C60SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| poles description         | 1P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [In] rated current        | 3 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Curve code                | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Breaking capacity         | 10 kA AIR at 277 V AC conforming to UL 1077<br>14 kA AIR at 240 V AC conforming to UL 1077<br>14 kA AIR at 120 V AC conforming to UL 1077<br>10 kA AIR at 65 V DC conforming to UL 1077<br>10 kA AIR at 277 V AC conforming to CSA C22.2 No 235<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 235<br>14 kA AIR at 120 V AC conforming to CSA C22.2 No 235<br>10 kA AIR at 65 V DC conforming to CSA C22.2 No 235<br>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 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077<br>CSA C22.2 No 235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product certifications    | IEC<br>CCC<br>UR<br>CSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 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        | 4 x In +/- 20 % AC<br>5.7 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>20 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC<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>20 kA 100 % conforming to GB 14048.2 - 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                                 | 81 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             | 1.8 cm |
| Package 1 Width              | 7.5 cm |
| Package 1 Length             | 8.5 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Weight             | 114.0 g   |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 7.8 cm    |
| Package 2 Width              | 8.8 cm    |
| Package 2 Length             | 22.5 cm   |
| Package 2 Weight             | 1.418 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 144       |
| Package 3 Height             | 30.0 cm   |
| Package 3 Width              | 30.0 cm   |
| Package 3 Length             | 40.0 cm   |
| Package 3 Weight             | 17.503 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.

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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                                                                                    |