

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60SP, 2P, 13A, C curve,  
10kA (UL1077), 10kA (IEC/EN  
60947-2)

M9F22213

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product Name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product Or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Device Short Name         | C60SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Poles Description         | 2P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number Of Protected Poles | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [In] Rated Current        | 13 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         | 14 kA AIR at 240 V AC conforming to UL 1077<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 235<br>10 kA AIR at 480Y/277 V AC conforming to UL 1077<br>10 kA AIR at 125 V DC conforming to UL 1077<br>10 kA AIR at 480Y/277 V AC conforming to CSA C22.2 No 235<br>10 kA AIR at 125 V DC conforming to CSA C22.2 No 235<br>6 kA Icu at 440 V AC conforming to EN/IEC 60947-2<br>10 kA Icu at 415 V AC conforming to EN/IEC 60947-2<br>20 kA Icu at 240 V AC conforming to EN/IEC 60947-2<br>6 kA Icu at 440 V AC conforming to GB 14048.2<br>10 kA Icu at 415 V AC conforming to GB 14048.2<br>20 kA Icu at 240 V AC 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>440 V AC 50/60 Hz |
| 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  | 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC<br>15 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC<br>4.5 kA 75 % conforming to GB 14048.2 - 440 V AC<br>7.5 kA 75 % conforming to GB 14048.2 - 415 V AC<br>15 kA 75 % conforming to GB 14048.2 - 240 V AC |
| [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                           | 4                                                                                                                                                                                                                                                                                                                        |
| Height                                 | 81 mm                                                                                                                                                                                                                                                                                                                    |
| Width                                  | 36 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             | 3.6 cm |
| Package 1 Width              | 7.5 cm |
| Package 1 Length             | 8.5 cm |

|                              |          |
|------------------------------|----------|
| Package 1 Weight             | 225.0 g  |
| Unit Type Of Package 2       | BB1      |
| Number Of Units In Package 2 | 6        |
| Package 2 Height             | 8.0 cm   |
| Package 2 Width              | 8.8 cm   |
| Package 2 Length             | 22.5 cm  |
| Package 2 Weight             | 1.395 kg |
| Unit Type Of Package 3       | S03      |
| Number Of Units In Package 3 | 72       |
| Package 3 Height             | 30.0 cm  |
| Package 3 Width              | 30.0 cm  |
| Package 3 Length             | 40.0 cm  |
| Package 3 Weight             | 17.23 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.

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[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                                                                                    |