

# Product data sheet

Specifications



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

M9F22110

## 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        | 10 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         | 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 |
| 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        | 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>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                                                                                                                                                                                                                                                                                          |
| 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                                 | 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             | 111.0 g   |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 7.6 cm    |
| Package 2 Width              | 8.8 cm    |
| Package 2 Length             | 22.5 cm   |
| Package 2 Weight             | 1.376 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             | 17.008 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 |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                                                                          | 11                                            |
| 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>                                                                                                                                                                                                                             |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability                                                                              | 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 |