

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60SP, 4P, 6A, D curve,  
10kA (UL1077), 10kA (IEC/EN  
60947-2)

M9F23406

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                           |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                       |
| product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                        |
| Device short name         | C60SP                                                                                                                                                                                                                                                                                                                                                            |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                     |
| poles description         | 4P                                                                                                                                                                                                                                                                                                                                                               |
| Number of protected poles | 4                                                                                                                                                                                                                                                                                                                                                                |
| [In] rated current        | 6 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                 |
| Network type              | AC                                                                                                                                                                                                                                                                                                                                                               |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                 |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                |
| Breaking capacity         | 14 kA AIR 240 V AC UL 1077<br>14 kA AIR 240 V AC CSA C22.2 No 235<br>10 kA AIR 480Y/277 V AC UL 1077<br>10 kA AIR 480Y/277 V AC CSA C22.2 No 235<br>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 |
| Suitability for isolation | Yes 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               | 12 x In +/- 20 % AC                                                                                                                                                                                                                  |
| [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 |

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

|                                        |                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage          | 500 V AC EN/IEC 60947-2                                                                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage | 6 kVEN/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                           | 8                                                                                                                                                                                                                                                                                                      |
| Height                                 | 3.2 in (81 mm)                                                                                                                                                                                                                                                                                         |
| Width                                  | 2.8 in (72 mm)                                                                                                                                                                                                                                                                                         |
| Depth                                  | 2.8 in (72 mm)                                                                                                                                                                                                                                                                                         |
| Colour                                 | Grey                                                                                                                                                                                                                                                                                                   |
| 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...2000 m                                                                       |
| Ambient air temperature for operation | -22...158 °F (-30...70 °C)                                                       |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)                                                       |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 2.8 in (7.2 cm)   |
| Package 1 Width              | 3.0 in (7.5 cm)   |
| Package 1 Length             | 3.3 in (8.5 cm)   |
| Package 1 Weight             | 15.9 oz (450.0 g) |
| Unit Type of Package 2       | BB1               |
| Number of Units in Package 2 | 3                 |

|                              |                         |
|------------------------------|-------------------------|
| Package 2 Height             | 3.1 in (8.0 cm)         |
| Package 2 Width              | 3.5 in (8.8 cm)         |
| Package 2 Length             | 8.9 in (22.5 cm)        |
| Package 2 Weight             | 3.06 lb(US) (1.39 kg)   |
| Unit Type of Package 3       | S03                     |
| Number of Units in Package 3 | 36                      |
| Package 3 Height             | 11.8 in (30.0 cm)       |
| Package 3 Width              | 11.8 in (30.0 cm)       |
| Package 3 Length             | 15.7 in (40.0 cm)       |
| Package 3 Weight             | 37.96 lb(US) (17.22 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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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                                                                                    |