

# Product datasheet

Specifications



## Multi9 - C60 UL1077 - MCB - 2P - 4 A - D Curve - 480Y/277 V - 5 kA

24519

⚠ Discontinued on: 30 Jun 2021

⚠ Discontinued

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Device short name         | C60 UL1077                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Poles description         | 2P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Neutral position          | Left                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [In] rated current        | 4 A at 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Breaking capacity         | 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<br>10 kA AIR at 240 V AC conforming to UL 1077<br>5 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 Icu at 125 V DC conforming to EN/IEC 60947-2<br>10 kA Icu at 125 V DC conforming to GB 14048.2<br>10 kA AIR at 240 V AC conforming to CSA C22.2 No 235<br>5 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 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Standards                 | UL 1077<br>GB 14048.2<br>EN/IEC 60947-2<br>CSA C22.2 No 235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product certifications    | UR<br>CSA<br>CCC<br>IEC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### Complementary

|                   |          |
|-------------------|----------|
| Network frequency | 50/60 Hz |
|-------------------|----------|

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

|                                        |                                                                           |
|----------------------------------------|---------------------------------------------------------------------------|
| [Ue] rated operational voltage         | 415 V AC<br>240 V AC<br>440 V AC<br>125 V DC                              |
| Magnetic tripping limit                | 12 x In +/- 20 % AC<br>17 x In +/- 20 % DC                                |
| Limitation class                       | 3 conforming to EN/IEC 60947-2                                            |
| [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                                  | 73 mm                                                                     |
| Net weight                             | 0.22 kg                                                                   |
| Colour                                 | Grey                                                                      |
| Mechanical durability                  | 20000 cycles                                                              |
| Electrical durability                  | 10000 cycles                                                              |
| Provision for padlocking               | Padlockable                                                               |
| Connections - terminals                | Tunnel type terminal (top or bottom)2.5...25 mm² (AWG 14...AWG 4) - rigid |
| Wire stripping length                  | 14 mm for top or bottom connection                                        |
| Tightening torque                      | 2.5 N.m top or bottom                                                     |

## 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                                                   |
| Overvoltage category                  | IV                                                                               |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                                      |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Operating altitude                    | 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             | 7.5 cm |
| Package 1 Width              | 4 cm   |

|                  |           |
|------------------|-----------|
| Package 1 Length | 8.5 cm    |
| Package 1 Weight | 230.164 g |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

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 |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                                                                        |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard                                                                     | Yes                                                                                    |
| SCIP Number                                                                                                | C839c050-8547-41ce-b0db-e9813554fc09                                                   |
| EU RoHS Directive                                                                                          | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                                                                                           | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                                                                                        | Halogen free product                                                                   |

Use Longer

|  Lifetime extension |    |
|--------------------------------------------------------------------------------------------------------|----|
| Repair                                                                                                 | No |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WEEE Label                                                                                                   |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |