

# Product datasheet

Specifications



## Multi 9 - C60 UL1077 - MCB - 2P - 1.5 A - B Curve - 480Y/277 V - 5 kA

17433

⚠ Discontinued on: 20 Mar 2019

⚠ End-of-service on: 31 May 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        | 1.5 A at 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network Type              | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Trip Unit Technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Curve Code                | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Complementary

|                                |                                              |
|--------------------------------|----------------------------------------------|
| Network Frequency              | 50/60 Hz                                     |
| [Ue] Rated Operational Voltage | 415 V AC<br>240 V AC<br>440 V AC<br>125 V DC |
| Magnetic Tripping Limit        | 4 x In +/- 20 % AC<br>5.6 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        |

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

|                                               |                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------|
| <b>[Uimp] Rated Impulse Withstand Voltage</b> | 6 kV conforming to EN/IEC 60947-2                                         |
| <b>Contact Position Indicator</b>             | Yes                                                                       |
| <b>Control Type</b>                           | Toggle                                                                    |
| <b>Local Signalling</b>                       | ON/OFF indication                                                         |
| <b>Mounting Mode</b>                          | Clip-on                                                                   |
| <b>Mounting Support</b>                       | DIN rail                                                                  |
| <b>9 Mm Pitches</b>                           | 4                                                                         |
| <b>Height</b>                                 | 81 mm                                                                     |
| <b>Width</b>                                  | 36 mm                                                                     |
| <b>Depth</b>                                  | 73 mm                                                                     |
| <b>Net Weight</b>                             | 0.22 kg                                                                   |
| <b>Colour</b>                                 | Grey                                                                      |
| <b>Mechanical Durability</b>                  | 20000 cycles                                                              |
| <b>Electrical Durability</b>                  | 10000 cycles                                                              |
| <b>Provision For Padlocking</b>               | Padlockable                                                               |
| <b>Connections - Terminals</b>                | Tunnel type terminal (top or bottom)2.5...25 mm² (AWG 14...AWG 4) - rigid |
| <b>Wire Stripping Length</b>                  | 14 mm for top or bottom connection                                        |
| <b>Tightening Torque</b>                      | 2.5 N.m top or bottom                                                     |

## Environment

|                                              |                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------|
| <b>Standards</b>                             | UL 1077<br>GB 14048.2<br>EN/IEC 60947-2<br>CSA C22.2 No 235                      |
| <b>Product Certifications</b>                | UR<br>CSA<br>CCC<br>IEC                                                          |
| <b>Ip Degree Of Protection</b>               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| <b>Pollution Degree</b>                      | 3 conforming to EN/IEC 60947-2                                                   |
| <b>Overvoltage Category</b>                  | IV                                                                               |
| <b>Tropicalisation</b>                       | 2 conforming to IEC 60068-1                                                      |
| <b>Relative Humidity</b>                     | 95 % at 55 °C                                                                    |
| <b>Operating Altitude</b>                    | 2000 m                                                                           |
| <b>Ambient Air Temperature For Operation</b> | -30...70 °C                                                                      |
| <b>Ambient Air Temperature For Storage</b>   | -40...80 °C                                                                      |

## Packing Units

|                                     |        |
|-------------------------------------|--------|
| <b>Unit Type Of Package 1</b>       | PCE    |
| <b>Number Of Units In Package 1</b> | 1      |
| <b>Package 1 Height</b>             | 8 cm   |
| <b>Package 1 Width</b>              | 3.8 cm |
| <b>Package 1 Length</b>             | 8.8 cm |

|                  |       |
|------------------|-------|
| Package 1 Weight | 242 g |
|------------------|-------|

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|