

# Product data sheet

Specifications



## Multi9 - C60 UL489 - MCB - 1P - 25 A - D Curve - 120 V - 10 kA - tunnel/ ring

60331

⚠ Discontinued on: May 27, 2019

⚠ Discontinued

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product Name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device Short Name         | C60 UL489                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Poles Description         | 1P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Number Of Protected Poles | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [In] Rated Current        | 25 A at 25 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network Type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Trip Unit Technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Curve Code                | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Breaking Capacity         | 5 kA AIR at 240 V AC conforming to UL 489<br>10 kA Icu at 240 V AC conforming to EN/IEC 60947-2<br>10 kA Icu at 240 V AC conforming to GB 14048.2<br>10 kA Icu at 60 V DC conforming to EN/IEC 60947-2<br>10 kA Icu at 60 V DC conforming to GB 14048.2<br>10 kA AIR at 120 V AC conforming to UL 489<br>10 kA AIR at 60 V DC conforming to UL 489<br>10 kA AIR at 120 V AC conforming to CSA C22.2 No 5.2<br>5 kA AIR at 240 V AC conforming to CSA C22.2 No 5.2<br>10 kA AIR at 60 V DC conforming to CSA C22.2 No 5.2 |
| Suitability For Isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Complementary

|                                        |                                            |
|----------------------------------------|--------------------------------------------|
| Network Frequency                      | 50/60 Hz                                   |
| [Ue] Rated Operational Voltage         | 240 V AC<br>60 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                          |

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

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| Mounting Mode            | Clip-on                                                                                   |
| Mounting Support         | DIN rail                                                                                  |
| 9 Mm Pitches             | 2                                                                                         |
| Width                    | 18 mm                                                                                     |
| Depth                    | 73 mm                                                                                     |
| Net Weight               | 0.11 kg                                                                                   |
| Colour                   | Grey                                                                                      |
| Mechanical Durability    | 20000 cycles                                                                              |
| Electrical Durability    | 10000 cycles                                                                              |
| Provision For Padlocking | Padlockable                                                                               |
| Connections - Terminals  | Ring terminal (bottom)<br>Tunnel type terminal (top)2.5...25 mm² (AWG 14...AWG 4) - rigid |
| Wire Stripping Length    | 14 mm for top connection                                                                  |
| Tightening Torque        | 2.5 N.m top<br>2 N.m bottom                                                               |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | GB 14048.2<br>EN/IEC 60947-2<br>UL 489<br>CSA C22.2 No 5                         |
| Product Certifications                | CSA<br>CCC<br>IEC<br>UL                                                          |
| Ip Degree Of Protection               | IP40 (modular enclosure) conforming to IEC 60529<br>IP10 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              | 1.8 cm   |
| Package 1 Length             | 1.15 cm  |
| Package 1 Weight             | 0.127 kg |

## Contractual warranty

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