

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Multi9 C60CTRL, 2P, 1A, C curve, 100kA (IEC/EN 60947-2)

M9C01201

! Discontinued

! Discontinued on: May 19, 2023

! End-of-service on: Jun 30, 2023

### Main

|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                          |
| Product Name              | Multi9 C60                                                                                                                      |
| Product Or Component Type | Miniature circuit-breaker                                                                                                       |
| Device Short Name         | C60CTRL                                                                                                                         |
| Device Application        | Distribution                                                                                                                    |
| Poles Description         | 2P                                                                                                                              |
| Number Of Protected Poles | 2                                                                                                                               |
| Line Rated Current        | 1 A                                                                                                                             |
| Network Type              | DC<br>AC                                                                                                                        |
| Trip Unit Technology      | Thermal-magnetic                                                                                                                |
| Curve Code                | C                                                                                                                               |
| Breaking Capacity         | 100 kA Icu 240 V AC 50/60 Hz EN/IEC 60947-2<br>30 kA Icu 125 V DC EN/IEC 60947-2<br>100 kA Icu 415 V AC 50/60 Hz EN/IEC 60947-2 |
| Utilisation Category      | Category A EN/IEC 60947-2                                                                                                       |
| Suitability For Isolation | Yes EN/IEC 60947-2                                                                                                              |
| Standards                 | EN/IEC 60947-2                                                                                                                  |
| Product Certifications    | CE                                                                                                                              |

### Complementary

|                                        |                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Network Frequency                      | 50/60 Hz                                                                                                                                |
| [Ue] Rated Operational Voltage         | 240 V AC 50/60 Hz between phases<br>415 V AC 50/60 Hz between phases<br>125 V DC                                                        |
| Magnetic Tripping Limit                | 8.5 x In +/- 20 % AC<br>12 x In +/- 20 % DC                                                                                             |
| [Ics] Rated Service Breaking Capacity  | 50 kA 50 % EN/IEC 60947-2 - 240 V AC 50/60 Hz<br>30 kA 100 % EN/IEC 60947-2 - 125 V DC<br>50 kA 50 % EN/IEC 60947-2 - 415 V AC 50/60 Hz |
| [Ui] Rated Insulation Voltage          | 500 V AC 50/60 Hz EN/IEC 60947-2                                                                                                        |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV/EN/IEC 60947-2                                                                                                                     |
| Contact Position Indicator             | Yes                                                                                                                                     |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                          |                                                                                                                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control Type             | Toggle                                                                                                                                                                                                                                              |
| Local Signalling         | ON/OFF indication                                                                                                                                                                                                                                   |
| Mounting Mode            | Clip-on                                                                                                                                                                                                                                             |
| Mounting Support         | DIN rail                                                                                                                                                                                                                                            |
| 9 Mm Pitches             | 4                                                                                                                                                                                                                                                   |
| Height                   | 3.19 in (81 mm)                                                                                                                                                                                                                                     |
| Width                    | 1.42 in (36 mm)                                                                                                                                                                                                                                     |
| Depth                    | 2.83 in (72 mm)                                                                                                                                                                                                                                     |
| Net Weight               | 0.53 lb(US) (0.24 kg)                                                                                                                                                                                                                               |
| Color                    | Gray                                                                                                                                                                                                                                                |
| Mechanical Durability    | 20000 cycles                                                                                                                                                                                                                                        |
| Electrical Durability    | 10000 cycles                                                                                                                                                                                                                                        |
| Provision For Padlocking | Padlockable                                                                                                                                                                                                                                         |
| Connections - Terminals  | Tunnel type terminal top or bottom) 0.00...0.04 in² (1...25 mm²) - rigid<br>Tunnel type terminal top or bottom) 0.00...0.04 in² (1...25 mm²) - flexible<br>Tunnel type terminal top or bottom) 0.00...0.04 in² (1...25 mm²) - flexible with ferrule |
| Wire Stripping Length    | 0.55 in (14 mm) for top or bottom connection                                                                                                                                                                                                        |
| Tightening Torque        | 17.70 lbf.in (2 N.m) top or bottom                                                                                                                                                                                                                  |
| Earth-Leakage Protection | Separate block                                                                                                                                                                                                                                      |

## 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)                                                              |
| Ambient Air Temperature For Operation | -22...158 °F (-30...70 °C)                                                       |
| Ambient Air Temperature For Storage   | -40...176 °F (-40...80 °C)                                                       |

## Ordering and shipping details

|      |               |
|------|---------------|
| Gtin | 3606480631405 |
|------|---------------|

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type Of Package 1       | PCE               |
| Number Of Units In Package 1 | 1                 |
| Package 1 Height             | 2.95 in (7.5 cm)  |
| Package 1 Width              | 1.42 in (3.6 cm)  |
| Package 1 Length             | 3.35 in (8.5 cm)  |
| Package 1 Weight             | 7.76 oz (220.0 g) |
| Unit Type Of Package 2       | BB1               |
| Number Of Units In Package 2 | 6                 |
| Package 2 Height             | 3.07 in (7.8 cm)  |
| Package 2 Width              | 3.43 in (8.7 cm)  |

|                              |                          |
|------------------------------|--------------------------|
| Package 2 Length             | 8.86 in (22.5 cm)        |
| Package 2 Weight             | 3.00 lb(US) (1.363 kg)   |
| Unit Type Of Package 3       | S03                      |
| Number Of Units In Package 3 | 72                       |
| Package 3 Height             | 11.81 in (30.0 cm)       |
| Package 3 Width              | 11.81 in (30.0 cm)       |
| Package 3 Length             | 15.75 in (40.0 cm)       |
| Package 3 Weight             | 37.25 lb(US) (16.898 kg) |