

# M9F42225

Miniature circuit breaker (MCB), Multi9 C60BP, 2P, 25A, C curve, 10kA (UL489), 10kA (IEC/EN 60947-2)



## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                    |
| Device short name         | C60BP                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Device Application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Poles description         | 2P                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Line Rated Current        | 25 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                            |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                             |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Breaking capacity         | 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<br>14 KA AIR 240 V AC UL 489<br>10 KA AIR 125 V DC UL 489<br>10 KA AIR 480Y/277 V AC UL 489<br>14 KA AIR 240 V AC CSA C22.2 No 5<br>10 KA AIR 480Y/277 V AC CSA C22.2 No 5<br>10 KA AIR 125 V DC CSA C22.2 No 5 |
| Suitability for isolation | Yes EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                           |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 489<br>CSA C22.2 No 5                                                                                                                                                                                                                                                                                                                                                                     |
| Product certifications    | IEC[RETURN]CCC[RETURN]CSA[RETURN]UL                                                                                                                                                                                                                                                                                                                                                                                          |

## 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                | 8.5 x In +/- 20 % AC<br>12 x In +/- 20 % DC                                                                                                                                                                                          |
| [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 |
| [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             | 4                                                                                                                                                                                                                                                                                                                                                                                 |
| Height                   | 4.06 in (103 mm)                                                                                                                                                                                                                                                                                                                                                                  |
| Width                    | 1.4 in (36 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Depth                    | 2.8 in (72 mm)                                                                                                                                                                                                                                                                                                                                                                    |
| Color                    | Gray                                                                                                                                                                                                                                                                                                                                                                              |
| Mechanical durability    | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                      |
| Electrical durability    | 10000 cycles                                                                                                                                                                                                                                                                                                                                                                      |
| Provision for padlocking | Padlockable                                                                                                                                                                                                                                                                                                                                                                       |
| Connections - terminals  | Tunnel type terminal top or bottom) 0.002...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 8) - rigid<br>Tunnel type terminal top or bottom) 0.002...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal top or bottom) 0.002...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) 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...6561.68 ft (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)                                                       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DE200949  |
| Discount Schedule | 0DE2          |
| GTIN              | 3606481169754 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 2.953 in (7.500 cm)       |
| Package 1 Width              | 1.417 in (3.600 cm)       |
| Package 1 Length             | 4.055 in (10.300 cm)      |
| Package 1 Weight             | 8.642 oz (245.000 g)      |
| Unit Type of Package 2       | BB1                       |
| Number of Units in Package 2 | 6                         |
| Package 2 Height             | 3.150 in (8.000 cm)       |
| Package 2 Width              | 8.661 in (22.000 cm)      |
| Package 2 Length             | 4.252 in (10.800 cm)      |
| Package 2 Weight             | 3.369 lb(US) (1.528 kg)   |
| Unit Type of Package 3       | S03                       |
| Number of Units in Package 3 | 54                        |
| Package 3 Height             | 11.811 in (30.000 cm)     |
| Package 3 Width              | 11.811 in (30.000 cm)     |
| Package 3 Length             | 15.748 in (40.000 cm)     |
| Package 3 Weight             | 31.553 lb(US) (14.312 kg) |

## Offer Sustainability

|                             |                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                           |
| REACH Regulation            | <a href="#"> REACH Declaration</a>             |
| EU RoHS Directive           | Compliant with Exemptions                                                                                                       |
| Mercury free                | Yes                                                                                                                             |
| China RoHS Regulation       | <a href="#"> China RoHS Declaration</a>        |
| RoHS exemption information  | <a href="#"> Yes</a>                           |
| Environmental Disclosure    | <a href="#"> Product Environmental Profile</a> |
| Circularity Profile         | No need of specific recycling operations                                                                                        |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.    |
| Halogen content performance | Halogen free product                                                                                                            |