

# Product data sheet

Specifications



Miniature circuit breaker (MCB),  
Multi9 C60BP, 3P, 4A, D curve,  
10kA (UL489), 10kA (IEC/EN  
60947-2)

M9F43304

## Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product name              | Multi 9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Device short name         | C60BP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Poles description         | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [In] rated current        | 4 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network type              | 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>14 kA AIR at 240 V AC conforming to UL 489<br>10 kA AIR at 480Y/277 V AC conforming to UL 489<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 5<br>10 kA AIR at 480Y/277 V AC conforming to CSA C22.2 No 5 |
| Suitability for isolation | Yes conforming to 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<br>CCC<br>CSA<br>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               | 12 x In +/- 20 % AC                                                                                                                                                                                                                                                    |
| [Ics] rated service breaking capacity | 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC<br>15 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC<br>4.5 kA 75 % conforming to GB 14048.2 - 440 V AC<br>7.5 kA 75 % conforming to GB 14048.2 - 415 V AC |

|                                        |                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | 15 kA 75 % conforming to GB 14048.2 - 240 V AC                                                                                                                                                                                                   |
| [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                           | 6                                                                                                                                                                                                                                                |
| Height                                 | 103 mm                                                                                                                                                                                                                                           |
| Width                                  | 54 mm                                                                                                                                                                                                                                            |
| Depth                                  | 72 mm                                                                                                                                                                                                                                            |
| Colour                                 | Grey                                                                                                                                                                                                                                             |
| Mechanical durability                  | 20000 cycles                                                                                                                                                                                                                                     |
| Electrical durability                  | 10000 cycles                                                                                                                                                                                                                                     |
| Provision for padlocking               | Padlockable                                                                                                                                                                                                                                      |
| Connections - terminals                | Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 8) - rigid<br>Tunnel type terminal (top or bottom)1...16 mm² (AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal (top or bottom)1...16 mm² (AWG 18...AWG 8) - flexible |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                                                                                                                                                               |
| Tightening torque                      | 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 conforming to EN/IEC 60947-2                                                   |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                                      |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Operating altitude                    | 0...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             | 5.4 cm  |
| Package 1 Width              | 7.5 cm  |
| Package 1 Length             | 10.3 cm |
| Package 1 Weight             | 367 g   |
| Unit Type of Package 2       | BB1     |
| Number of Units in Package 2 | 4       |
| Package 2 Height             | 8.3 cm  |
| Package 2 Width              | 10.8 cm |

|                              |           |
|------------------------------|-----------|
| Package 2 Length             | 22 cm     |
| Package 2 Weight             | 1.534 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 36        |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 14.293 kg |

Offer Sustainability

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                       |
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free                | Yes                                                                                                                         |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                               |
| 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                                                                                                        |

Recommended replacement(s)