

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Multi9 C60BP, 1P, 35A, Z curve, 14kA (UL489), 10kA (IEC/EN 60947-2)

M9F44135

### 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         | 1P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [In] rated current        | 35 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Curve code                | Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Breaking capacity         | 3 kA Icu at 415 V AC conforming to EN/IEC 60947-2<br>10 kA Icu at 240 V AC conforming to EN/IEC 60947-2<br>20 kA Icu at 60 V DC conforming to EN/IEC 60947-2<br>3 kA Icu at 415 V AC conforming to GB 14048.2<br>10 kA Icu at 240 V AC conforming to GB 14048.2<br>20 kA Icu at 60 V DC conforming to GB 14048.2<br>10 kA AIR at 277 V AC conforming to UL 489<br>14 kA AIR at 240 V AC conforming to UL 489<br>14 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 277 V AC conforming to CSA C22.2 No 5<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 5<br>14 kA AIR at 120 V AC conforming to CSA C22.2 No 5<br>10 kA AIR at 60 V DC 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>60 V DC |
| Magnetic tripping limit        | 3 x In +/- 20 % AC<br>4.2 x In +/- 20 % DC        |

|                                        |                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity  | 2.25 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC<br>2.25 kA 75 % conforming to GB 14048.2 - 415 V AC<br>7.5 kA 75 % conforming to GB 14048.2 - 240 V AC<br>15 kA 75 % conforming to GB 14048.2 - 60 V DC<br>15 kA 75 % conforming to EN/IEC 60947-2 - 60 V DC |
| [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                           | 2                                                                                                                                                                                                                                                                                                                        |
| Height                                 | 103 mm                                                                                                                                                                                                                                                                                                                   |
| Width                                  | 18 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...35 mm² (AWG 18...AWG 2) - rigid<br>Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 3) - flexible with ferrule<br>Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 3) - flexible                                                                         |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                                                                                                                                                                                                                                       |
| Tightening torque                      | 3.5 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             | 1.8 cm  |
| Package 1 Width              | 7.2 cm  |
| Package 1 Length             | 10.3 cm |
| Package 1 Weight             | 132 g   |
| Unit Type of Package 2       | BB1     |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.2 cm    |
| Package 2 Width              | 11 cm     |
| Package 2 Length             | 22 cm     |
| Package 2 Weight             | 1.649 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 108       |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 15.328 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)