

# Product datasheet

Specifications



## Multi9 - C60N - MCB - 3P - 16 A - D Curve - 415 V - 10 kA

M9F12316

EAN Code : 3606480576867

### Main

|                           |                                                                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                         |
| Product name              | Multi9 C60                                                                                                                                                                                                                                                                                     |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                      |
| Device short name         | C60N                                                                                                                                                                                                                                                                                           |
| Device application        | Distribution                                                                                                                                                                                                                                                                                   |
| Poles description         | 3P                                                                                                                                                                                                                                                                                             |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                              |
| [In] rated current        | 16 A at 50 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                     |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                       |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                               |
| Curve code                | D                                                                                                                                                                                                                                                                                              |
| Breaking capacity         | 30 kA Icu at <= 125 V DC conforming to EN/IEC 60947-2<br>10 kA Icu at 415 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2<br>20 kA Icu at 240 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2<br>6 kA Icu at 440 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                        |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                               |
| Standards                 | EN/IEC 60947-2                                                                                                                                                                                                                                                                                 |
| Product certifications    | EAC<br>KC<br>CCC                                                                                                                                                                                                                                                                               |

### 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>440 V AC 50/60 Hz between phases<br><= 125 V DC                                                                                                                               |
| Magnetic tripping limit               | 12 x In +/- 20 % AC<br>17 x In +/- 20 % DC                                                                                                                                                                                                            |
| [Ics] rated service breaking capacity | 7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz<br>16 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz<br>4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>30 kA 100 % conforming to EN/IEC 60947-2 - <= 125 V DC |
| Limitation class                      | 3                                                                                                                                                                                                                                                     |

|                                        |                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage          | 500 V AC 50/60 Hz 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                                 | 81 mm                                                                                                                                                                                         |
| Width                                  | 54 mm                                                                                                                                                                                         |
| Depth                                  | 72 mm                                                                                                                                                                                         |
| Net weight                             | 0.36 kg                                                                                                                                                                                       |
| 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 - rigid<br>Tunnel type terminal (top or bottom)1...25 mm² - flexible<br>Tunnel type terminal (top or bottom)1...25 mm² - flexible with ferrule |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                                                                                                            |
| Tightening torque                      | 2 N.m top or bottom                                                                                                                                                                           |
| Earth-leakage protection               | Separate block                                                                                                                                                                                |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Heat dissipation                      | 7.5 W at 415 V - 16 A                                                            |
| 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                                                   |
| Overvoltage category                  | IV                                                                               |
| Tropicalisation                       | 2 conforming to IEC 60068-1                                                      |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| 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             | 5.500 cm  |
| Package 1 Width              | 7.500 cm  |
| Package 1 Length             | 8.500 cm  |
| Package 1 Weight             | 314.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |

|                              |           |
|------------------------------|-----------|
| Package 2 Height             | 8.000 cm  |
| Package 2 Width              | 9.000 cm  |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.296 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 48        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 15.949 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                                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| 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                                                                                                        |

### Contractual warranty

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

### Recommended replacement(s)