



## Main

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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi 9                                                                                                                                                                                                                                                                                        |
| Product name              | Multi 9 C60                                                                                                                                                                                                                                                                                    |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                      |
| Device short name         | C60N                                                                                                                                                                                                                                                                                           |
| Device application        | Distribution                                                                                                                                                                                                                                                                                   |
| Poles description         | 2P                                                                                                                                                                                                                                                                                             |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                              |
| [In] rated current        | 4 A at 50 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                      |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                       |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                               |
| Curve code                | B                                                                                                                                                                                                                                                                                              |
| Breaking capacity         | 20 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>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        | 4 x In +/- 20 % AC<br>5.7 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>20 kA 100 % conforming to EN/IEC 60947-2 - ≤ 125 V DC |
| [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                           | 4                                                                                                                                                                                                                                                    |
| Height                                 | 81 mm                                                                                                                                                                                                                                                |
| Width                                  | 36 mm                                                                                                                                                                                                                                                |
| Depth                                  | 72 mm                                                                                                                                                                                                                                                |
| Net weight                             | 0.24 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 mm <sup>2</sup> - rigid<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> - flexible<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> - 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                      | 4.8 W at 415 V - 4 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                                                                      |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| 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>                                                                               |
| 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 |

## Contractual warranty

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| Warranty | 18 months |
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