



## Main

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| Range                     | Multi 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product name              | Multi 9 C60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Device short name         | C60SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Poles description         | 1P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [In] rated current        | 20 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Breaking capacity         | 10 kA AIR at 277 V AC conforming to UL 1077<br>14 kA AIR at 240 V AC conforming to UL 1077<br>14 kA AIR at 120 V AC conforming to UL 1077<br>10 kA AIR at 65 V DC conforming to UL 1077<br>10 kA AIR at 277 V AC conforming to CSA C22.2 No 235<br>14 kA AIR at 240 V AC conforming to CSA C22.2 No 235<br>14 kA AIR at 120 V AC conforming to CSA C22.2 No 235<br>10 kA AIR at 65 V DC conforming to CSA C22.2 No 235<br>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 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077<br>CSA C22.2 No 235                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product certifications    | IEC<br>CCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## 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                | 12 x I <sub>n</sub> +/- 20 % AC<br>17 x I <sub>n</sub> +/- 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>20 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC<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>20 kA 100 % conforming to GB 14048.2 - 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                                 | 81 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...25 mm <sup>2</sup> (AWG 18...AWG 8) - rigid<br>Tunnel type terminal (top or bottom)1...16 mm <sup>2</sup> (AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal (top or bottom)1...16 mm <sup>2</sup> (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                                                                      |

## Offer Sustainability

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 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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