

# Product datasheet

Specifications



## Multi9 - C60N - MCB - 2P - 4 A - D Curve - 415 V - 10 kA

M9F12204

EAN Code: 3606480576720

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product name              | Multi9 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network frequency         | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Breaking capacity         | 20 kA Icu at 240 V AC 50/60 Hz between phases 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>6 kA Icu at 440 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2<br>20 kA Icu at <= 125 V DC 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 GB/T 14048.2<br>10 kA Icu at 415 V AC 50/60 Hz between phases conforming to GB/T 14048.2<br>6 kA Icu at 440 V AC 50/60 Hz between phases conforming to GB/T 14048.2<br>20 kA Icu at <= 125 V DC conforming to GB/T 14048.2 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Standards                 | EN/IEC 60947-2<br>GB/T 14048.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product certifications    | EAC<br>KC<br>CCC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### Complementary

|                                |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| [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                                                                              |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity  | 16 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 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<br>16 kA 75 % conforming to GB/T 14048.2 - 240 V AC 50/60 Hz<br>7.5 kA 75 % conforming to GB/T 14048.2 - 415 V AC 50/60 Hz<br>4.5 kA 75 % conforming to GB/T 14048.2 - 440 V AC 50/60 Hz<br>20 kA 100 % conforming to GB/T 14048.2 - <= 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Suitability for isolation              | Yes 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product 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 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

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| 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             | 7.500 cm  |
| Package 1 Width              | 3.600 cm  |
| Package 1 Length             | 8.500 cm  |
| Package 1 Weight             | 213.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 8.000 cm  |
| Package 2 Width              | 8.800 cm  |
| Package 2 Length             | 22.000 cm |
| Package 2 Weight             | 1.318 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 72        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 16.282 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | BG |
|-------------------|----|

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 24 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 22 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.6 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | Yes                                                                                    |
| SCIP Number                            | 40a4e715-7fff-45ff-88bf-38212f6a80a5                                                   |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                              |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                    | Halogen free plastic parts product                                                     |
| PVC free                               | Yes                                                                                    |
| Silicone-free                          | No                                                                                     |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 56                                                                                                                                                                                                              |
| End of life manual availability | No need of specific recycling operations                                                                                                                                                                        |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |



Image of product / Alternate images

Alternative

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