

# Product datasheet

Specifications



## C60 - circuit breaker - C60N - 4P - 20 A - C curve

MGN60908

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

### Main

|                           |                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | C60                                                                                                                                                                                                                                   |
| Range                     | Multi9                                                                                                                                                                                                                                |
| Product name              | C60                                                                                                                                                                                                                                   |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                             |
| Device short name         | C60N                                                                                                                                                                                                                                  |
| Device application        | Distribution                                                                                                                                                                                                                          |
| Poles description         | 4P                                                                                                                                                                                                                                    |
| Number of protected poles | 4                                                                                                                                                                                                                                     |
| [In] rated current        | 20 A at 50 °C conforming to EN/IEC 60947-2                                                                                                                                                                                            |
| Network type              | DC                                                                                                                                                                                                                                    |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                      |
| Curve code                | C                                                                                                                                                                                                                                     |
| Breaking capacity         | 20 kA Icu at 240 V AC 50/60 Hz phase to phase conforming to EN/IEC 60947-2<br>10 kA Icu at 415 V AC 50/60 Hz phase to phase conforming to EN/IEC 60947-2<br>6 kA Icu at 440 V AC 50/60 Hz phase to phase 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                                                                                                                                                                                                      |

### Complementary

|                                                  |                                                                                                                                                                                             |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ue] rated operational voltage                   | 440 V AC 50/60 Hz<br>240 V AC 50/60 Hz phase to phase                                                                                                                                       |
| Magnetic tripping limit                          | 8.5 x In +/- 20 %                                                                                                                                                                           |
| [Ics] rated service breaking capacity            | 15 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 |
| Contact position indicator                       | Yes                                                                                                                                                                                         |
| Control type                                     | Toggle                                                                                                                                                                                      |
| Local signalling                                 | ON/OFF indication                                                                                                                                                                           |
| Mounting mode                                    | Fixed                                                                                                                                                                                       |
| Mounting support                                 | 35 mm symmetrical DIN rail                                                                                                                                                                  |
| Comb busbar and distribution block compatibility | Top or bottom: YES                                                                                                                                                                          |
| 9 mm pitches                                     | 8                                                                                                                                                                                           |
| Height                                           | 81 mm                                                                                                                                                                                       |

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

|                          |                                                                                                                                                                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width                    | 72 mm                                                                                                                                                          |
| Depth                    | 73 mm                                                                                                                                                          |
| Product weight           | 0.48 kg                                                                                                                                                        |
| Mechanical durability    | 20000 cycles                                                                                                                                                   |
| Electrical durability    | 10000 cycles conforming to EN/IEC 60947-2                                                                                                                      |
| Connections - terminals  | Tunnel type terminals1...25 mm² rigid<br>Tunnel type terminals1...25 mm² flexible without cable end<br>Tunnel type terminals1...25 mm² flexible with cable end |
| Wire stripping length    | Power circuit: 14 mm                                                                                                                                           |
| Tightening torque        | Power circuit: 2 N.m                                                                                                                                           |
| Earth-leakage protection | Separate block                                                                                                                                                 |
| Product compatibility    | C60 auxiliary<br>C60 accessories                                                                                                                               |

## Environment

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-2                                                    |
| Product certifications                | ABS<br>KRS<br>IACS E10<br>BV<br>RMRoS<br>GL<br>LRS<br>DNV<br>RINA |
| IP degree of protection               | IP20 conforming to EN/IEC 60947-2                                 |
| Pollution degree                      | 3 conforming to EN/IEC 60947-2                                    |
| 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             | 7.5 cm   |
| Package 1 Width              | 7.2 cm   |
| Package 1 Length             | 8.5 cm   |
| Package 1 Weight             | 0.428 kg |

## 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

Environmental Disclosure

[Product Environmental Profile](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins