

# Product datasheet

Specifications



## C60 - circuit breaker - C60N - 1P - 6A - D curve

24629

 **Discontinued on:** 11 Feb 2019

 **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         | 1P                                                                                                                                                                                                                                                                                                                         |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                          |
| [In] rated current        | 6 A at 40 °C                                                                                                                                                                                                                                                                                                               |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                   |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                           |
| Curve code                | D                                                                                                                                                                                                                                                                                                                          |
| Breaking capacity         | 20 kA Icu at 130 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10 kA Icu at 230...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>3 kA Icu at 400...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>6000 A Icn at 230/400 V AC 50/60 Hz conforming to EN 60898<br>15 kA Icu at 60 V DC 1P conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes conforming to IEC 60947-2                                                                                                                                                                                                                                                                                              |

### Complementary

|                                       |                                                                                                                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                     | 50/60 Hz                                                                                                                                                                                                                                           |
| [Ue] rated operational voltage        | 230...240 V AC 50/60 Hz<br>400...415 V AC 50/60 Hz<br>130 V AC 50/60 Hz<br>230/400 V AC 50/60 Hz                                                                                                                                                   |
| Magnetic tripping limit               | 10...14 x In                                                                                                                                                                                                                                       |
| [Ics] rated service breaking capacity | 15 kA conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz<br>7.5 kA conforming to EN/IEC 60947-2 - 230...240 V AC 50/60 Hz<br>6000 A conforming to EN 60898 - 230/400 V AC 50/60 Hz<br>2.25 kA conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz |
| Limitation class                      | 3 conforming to EN/IEC 60947-2                                                                                                                                                                                                                     |
| Contact position indicator            | Yes                                                                                                                                                                                                                                                |
| Control type                          | Toggle                                                                                                                                                                                                                                             |
| Local signalling                      | ON/OFF indication                                                                                                                                                                                                                                  |
| Mounting mode                         | Clip-on                                                                                                                                                                                                                                            |

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

|                                                  |                                                                           |
|--------------------------------------------------|---------------------------------------------------------------------------|
| Mounting support                                 | 35 mm symmetrical DIN rail                                                |
| Comb busbar and distribution block compatibility | NO                                                                        |
| 9 mm pitches                                     | 2                                                                         |
| Height                                           | 81 mm                                                                     |
| Width                                            | 18 mm                                                                     |
| Depth                                            | 73 mm                                                                     |
| Net weight                                       | 0.12 kg                                                                   |
| Mechanical durability                            | 20000 cycles                                                              |
| Connections - terminals                          | Tunnel type terminals16 mm² flexible<br>Tunnel type terminals25 mm² rigid |
| Tightening torque                                | Power circuit: 2 N.m upside<br>2 N.m downside                             |
| Product compatibility                            | C60 auxiliary<br>C60 accessories                                          |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | EN/IEC 60947-2<br>EN 60898  |
| Tropicalisation                       | 2 conforming to IEC 60068-1 |
| Relative humidity                     | 95 % at 55 °C               |
| Operating altitude                    | 2000 m                      |
| Ambient air temperature for operation | -25...60 °C                 |
| Ambient air temperature for storage   | -40...70 °C                 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 8.5 cm   |
| Package 1 Width              | 1.8 cm   |
| Package 1 Length             | 7.3 cm   |
| Package 1 Weight             | 0.109 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