# Product data sheet

Specifications





### Miniature circuit breaker (MCB), Multi9 C60H, 1P, 20A, C curve, 15kA (IEC/EN 60947-2)

M9F14120

- ! Discontinued on: May 19, 2023
- ! End-of-service on: Jun 30, 2023

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Main

| Range                     | Multi9   |
|---------------------------|--|
| Product Name              | Multi9 C60   |
| Product Or Component Type | Miniature circuit-breaker  |
| Device Short Name         | С60Н   |
| Device Application        | Distribution   |
| Poles Description         | 1P   |
| Number Of Protected Poles | 1  |
| Line Rated Current        | 20 A 122 °F (50 °C) EN/IEC 60947-2   |
| Network Type              | AC<br>DC   |
| Trip Unit Technology      | Thermal-magnetic   |
| Curve Code                | С  |
| Breaking Capacity         | 20 kA lcu <= 72 V DC EN/IEC 60947-2<br>3 kA lcu 415 V AC 50/60 Hz between phase and neutral EN/IEC 60947-2<br>15 kA lcu 240 V AC 50/60 Hz between phase and neutral EN/IEC 60947-2 |
| Utilisation Category      | Category A EN/IEC 60947-2  |
| Suitability For Isolation | Yes 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 phase and neutral<br>415 V AC 50/60 Hz between phase and neutral<br><= 72 V DC                                    |
| Magnetic Tripping Limit                   | 8.5 x ln +/- 20 % AC<br>12 x ln +/- 20 % DC   |
| [Ics] Rated Service Breaking<br>Capacity  | 7.5 kA 50 % EN/IEC 60947-2 - 240 V AC 50/60 Hz<br>1.5 kA 50 % EN/IEC 60947-2 - 415 V AC 50/60 Hz<br>20 kA 100 % EN/IEC 60947-2 - <= 72 V DC |
| [Ui] Rated Insulation Voltage             | 500 V AC 50/60 Hz EN/IEC 60947-2  |
| [Uimp] Rated Impulse Withstand<br>Voltage | 6 kVEN/IEC 60947-2  |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| 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                     | 3.19 in (81 mm)   |
| Width                      | 0.71 in (18 mm)   |
| Depth                      | 2.83 in (72 mm)   |
| Net Weight                 | 0.26 lb(US) (0.12 kg)   |
| Color                      | Gray  |
| Mechanical Durability      | 20000 cycles  |
| Electrical Durability      | 10000 cycles  |
| Provision For Padlocking   | Padlockable   |
| Connections - Terminals    | Tunnel type terminal top or bottom) 0.000.04 in² (125 mm²) - rigid Tunnel type terminal top or bottom) 0.000.04 in² (125 mm²) - flexible Tunnel type terminal top or bottom) 0.000.04 in² (125 mm²) - flexible with ferrule |
| Wire Stripping Length      | 0.55 in (14 mm) for top or bottom connection  |
| Tightening Torque          | 17.70 lbf.in (2 N.m) top or bottom  |
| Earth-Leakage Protection   | Separate block  |

#### **Environment**

| Heat Dissipation                      | 3 W 240 V - 20 A                                 |
|---------------------------------------|--|
|                                       | 011210 V 2011                                    |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529                     |
|                                       | IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution Degree                      | 3 EN/IEC 60947-2                                 |
| Overvoltage Category                  | IV   |
| Tropicalisation                       | 2 IEC 60068-1                                    |
| Relative Humidity                     | 95 % 131 °F (55 °C)                              |
| Ambient Air Temperature For Operation | -22158 °F (-3070 °C)                             |
| Ambient Air Temperature For Storage   | -40176 °F (-4080 °C)                             |

## Ordering and shipping details

| Category          | US10DE200908  |
|-------------------|---------------|
| Discount Schedule | 0DE2          |
| Gtin              | 3606480577093 |
| Returnability     | Yes           |
| Country Of Origin | US            |

# **Packing Units**

| Unit Type Of Package 1       | PCE              |
|------------------------------|------------------|
| Number Of Units In Package 1 | 1                |
| Package 1 Height             | 0.71 in (1.8 cm) |

| Package 1 Width              | 2.95 in (7.5 cm)         |
|------------------------------|--------------------------|
| Package 1 Length             | 3.35 in (8.5 cm)         |
| Package 1 Weight             | 3.88 oz (110.0 g)        |
| Unit Type Of Package 2       | BB1                      |
| Number Of Units In Package 2 | 12                       |
| Package 2 Height             | 3.07 in (7.8 cm)         |
| Package 2 Width              | 3.46 in (8.8 cm)         |
| Package 2 Length             | 8.86 in (22.5 cm)        |
| Package 2 Weight             | 3.01 lb(US) (1.366 kg)   |
| Unit Type Of Package 3       | S03                      |
| Number Of Units In Package 3 | 144                      |
| Package 3 Height             | 11.81 in (30.0 cm)       |
| Package 3 Width              | 11.81 in (30.0 cm)       |
| Package 3 Length             | 15.75 in (40.0 cm)       |
| Package 3 Weight             | 37.71 lb(US) (17.105 kg) |

### Sustainability Green Premium\*

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

#### Well-being performance



#### **Certifications & Standards**

| Reach Regulation         | REACh Declaration  |
|--------------------------|--|
| Eu Rohs Directive        | Compliant with Exemptions  |
| China Rohs Regulation    | China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information.                         |
| Environmental Disclosure | Product Environmental Profile  |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Circularity Profile      | No need of specific recycling operations   |