

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Multi9 C60H-DC, 1P, 25A, D curve, 5kA (UL 1077), 6kA (IEC/EN 60947-2)

M9U31125

⚠ Discontinued on: 7 Aug 2023

⚠ Discontinued

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi9                                                                                                                                                                                                                                                                                                                                                                |
| Product name              | Multi9 C60H-DC                                                                                                                                                                                                                                                                                                                                                        |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                             |
| Device short name         | C60H-DC                                                                                                                                                                                                                                                                                                                                                               |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                          |
| Poles description         | 1P                                                                                                                                                                                                                                                                                                                                                                    |
| Number of protected poles | 1                                                                                                                                                                                                                                                                                                                                                                     |
| [In] rated current        | 25 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                            |
| Network type              | DC                                                                                                                                                                                                                                                                                                                                                                    |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                      |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                     |
| Breaking capacity         | 10 kA Icu at 220 V DC conforming to EN/IEC 60947-2<br>6 kA Icu at 250 V DC conforming to EN/IEC 60947-2<br>20 kA Icu at 110 V DC conforming to EN/IEC 60947-2<br>5 kA AIR at 12...250 V DC conforming to UL 1077<br>10 kA Icu at 220 V DC conforming to GB 14048.2<br>6 kA Icu at 250 V DC conforming to GB 14048.2<br>20 kA Icu at 110 V DC conforming to GB 14048.2 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                               |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077                                                                                                                                                                                                                                                                                                                               |
| Product certifications    | IEC<br>CCC<br>UR                                                                                                                                                                                                                                                                                                                                                      |

### Complementary

|                                       |                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ue] rated operational voltage        | 250 V DC<br>110 V DC<br>220 V DC                                                                                                                                                                                                                                                                                         |
| Magnetic tripping limit               | 10...14 x In DC                                                                                                                                                                                                                                                                                                          |
| [Ics] rated service breaking capacity | 7.5 kA 75 % conforming to EN/IEC 60947-2 - 220 V DC<br>4.5 kA 75 % conforming to EN/IEC 60947-2 - 250 V DC<br>15 kA 75 % conforming to EN/IEC 60947-2 - 110 V DC<br>7.5 kA 75 % conforming to GB 14048.2 - 220 V DC<br>4.5 kA 75 % conforming to GB 14048.2 - 250 V DC<br>15 kA 75 % conforming to GB 14048.2 - 110 V DC |
| [Ui] rated insulation voltage         | 500 V DC conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                    |

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

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [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                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Height                                 | 81 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Width                                  | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Depth                                  | 73 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Net weight                             | 0.128 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Colour                                 | Grey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mechanical durability                  | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Electrical durability                  | 3000 cycles 250 V DC L/R = 2 ms<br>6000 cycles 250 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Provision for padlocking               | Padlockable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Connections - terminals                | Tunnel type terminal (top or bottom)1...35 mm² (AWG 18...AWG 2) - rigid stranded<br>Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 4) - flexible<br>Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 4) - flexible with ferrule<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - rigid stranded<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - flexible<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - flexible with ferrule<br>Tunnel type terminal (top or bottom) - 3 cable(s) 4 mm² (AWG 6) - flexible stranded |
| Wire stripping length                  | 14 mm for top or bottom connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tightening torque                      | 3.5 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 60068-2<br>2 conforming to GB 14048.2                        |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Ambient air temperature for operation | -25...70 °C                                                                      |
| Ambient air temperature for storage   | -40...85 °C                                                                      |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 7.62 cm  |
| Package 1 Width              | 2.032 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Length             | 8.636 cm  |
| Package 1 Weight             | 113.399 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.2 cm    |
| Package 2 Width              | 9 cm      |
| Package 2 Length             | 22.5 cm   |
| Package 2 Weight             | 1.438 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 144       |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 17.743 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 >](#)

### Use Better

| Materials and Substances               |                           |
|----------------------------------------|---------------------------|
| Packaging made with recycled cardboard | Yes                       |
| EU RoHS Directive                      | <a href="#">Compliant</a> |

### 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 |

Image of product / Alternate images

Alternative

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