

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 40A, B curve, 5kA (UL1077), 6kA (IEC/EN 60947-2)

M9U11240

! Discontinued

! Discontinued on: Jan 31, 2024

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

### 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         | 2P                                                                                                                                                                                                                                             |
| Number of protected poles | 2                                                                                                                                                                                                                                              |
| Line Rated Current        | 40 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                              |
| Network type              | DC                                                                                                                                                                                                                                             |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                               |
| Curve code                | B                                                                                                                                                                                                                                              |
| Breaking capacity         | 20 kA Icu 220 V DC EN/IEC 60947-2<br>10 kA Icu 440 V DC EN/IEC 60947-2<br>6 kA Icu 500 V DC EN/IEC 60947-2<br>5 kA AIR 12...500 V DC UL 1077<br>20 kA Icu 220 V DC GB 14048.2<br>10 kA Icu 440 V DC GB 14048.2<br>6 kA Icu 500 V DC GB 14048.2 |
| Utilisation category      | Category A EN/IEC 60947-2                                                                                                                                                                                                                      |
| Suitability for isolation | Yes 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 | 220 V DC<br>440 V DC<br>500 V DC |
| Magnetic tripping limit        | 3...7 x I <sub>n</sub> DC        |

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

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  | 7.5 kA 75 % EN/IEC 60947-2 - 440 V DC<br>4.5 kA 75 % EN/IEC 60947-2 - 500 V DC<br>15 kA 75 % EN/IEC 60947-2 - 220 V DC<br>7.5 kA 75 % GB 14048.2 - 440 V DC<br>4.5 kA 75 % GB 14048.2 - 500 V DC<br>15 kA 75 % GB 14048.2 - 220 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Ui] rated insulation voltage          | 500 V DC EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage | 6 kV 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                                 | 3.2 in (81 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Width                                  | 1.4 in (36 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Depth                                  | 2.9 in (73 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Net Weight                             | 0.282 lb(US) (0.128 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| color                                  | Gray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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) 0.002...0.05 in² (1...35 mm²) AWG 18...AWG 2) - rigid stranded<br>Tunnel type terminal top or bottom) 0.002...0.04 in² (1...25 mm²) AWG 18...AWG 4) - flexible<br>Tunnel type terminal top or bottom) 0.002...0.04 in² (1...25 mm²) AWG 18...AWG 4) - flexible with ferrule<br>Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...16 mm²) AWG 18...AWG 6) - rigid stranded<br>Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...16 mm²) AWG 18...AWG 6) - flexible<br>Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...16 mm²) AWG 18...AWG 6) - flexible with ferrule<br>Tunnel type terminal top or bottom) - 3 0.006 in² (4 mm²) AWG 6) - flexible stranded |
| Wire stripping length                  | 0.6 in (14 mm) for top or bottom connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tightening torque                      | 31.0 lbf.in (3.5 N.m) top or bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Earth-leakage protection               | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Heat dissipation                      | 8.6 W 440 V - 40 A                                                               |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3 EN/IEC 60947-2                                                                 |
| Tropicalisation                       | 2 IEC 60068-2<br>2 GB 14048.2                                                    |
| Relative humidity                     | 95 % 131 °F (55 °C)                                                              |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                                       |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DE200948  |
| Discount Schedule | 0DE2          |
| GTIN              | 3606480741548 |
| Returnability     | No            |
| Country of origin | CN            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 3.3 in (8.5 cm)          |
| Package 1 Width              | 1.4 in (3.6 cm)          |
| Package 1 Length             | 3.0 in (7.5 cm)          |
| Package 1 Weight             | 8.6 oz (243.0 g)         |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 6                        |
| Package 2 Height             | 3.2 in (8.2 cm)          |
| Package 2 Width              | 3.5 in (9.0 cm)          |
| Package 2 Length             | 8.9 in (22.5 cm)         |
| Package 2 Weight             | 3.325 lb(US) (1.508 kg)  |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 72                       |
| Package 3 Height             | 11.8 in (30.0 cm)        |
| Package 3 Width              | 11.8 in (30.0 cm)        |
| Package 3 Length             | 15.7 in (40.0 cm)        |
| Package 3 Weight             | 40.97 lb(US) (18.583 kg) |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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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## Well-being performance

|                                                                                   |                            |                                                                                                                              |
|-----------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
|  | Reach Free Of Svhc         |                                                                                                                              |
|  | Toxic Heavy Metal Free     |                                                                                                                              |
|  | Mercury Free               |                                                                                                                              |
|  | Rohs Exemption Information | <a href="#">Yes</a>                                                                                                          |
| <hr/>                                                                             |                            |                                                                                                                              |
| <b>Eu Rohs Directive</b>                                                          |                            | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                             |
| <hr/>                                                                             |                            |                                                                                                                              |
| <b>China Rohs Regulation</b>                                                      |                            | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                  |
| <hr/>                                                                             |                            |                                                                                                                              |
| <b>Weee</b>                                                                       |                            | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| <hr/>                                                                             |                            |                                                                                                                              |