

# MGN61525

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



## 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        | 5 A 77 °F (25 °C)  |
| Network type              | DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 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<br>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 |
| Utilisation category      | Category A EN/IEC 60947-2  |
| Suitability for isolation | Yes EN/IEC 60947-2   |

## Complementary

|  |  |
|--|--|
| [Ue] rated operational voltage                   | 12...500 V DC  |
| Magnetic tripping limit                          | 8.5 x In +/- 20 % AC   |
| [Ics] rated service breaking capacity            | 4.5 KA 75 % GB 14048.2 - 500 V DC<br>7.5 KA 75 % GB 14048.2 - 440 V DC<br>15 KA 75 % GB 14048.2 - 220 V DC<br>15 KA 75 % EN/IEC 60947-2 - 220 V DC<br>7.5 KA 75 % EN/IEC 60947-2 - 440 V DC<br>4.5 kA 75 % EN/IEC 60947-2 - 500 V DC |
| Limitation class                                 | 3 EN/IEC 60947-2   |
| [Ui] rated insulation voltage                    | 500 V DC EN/IEC 60947-2  |
| [Uimp] rated impulse withstand voltage           | 6 kVEN/IEC 60947-2   |
| Contact position indicator                       | Yes  |
| Control type                                     | Toggle   |
| Local signalling                                 | ON/OFF indication  |
| Mounting Mode                                    | Clip-on  |
| Mounting Support                                 | DIN rail   |
| Comb busbar and distribution block compatibility | Top or bottom standard   |
| 9 mm pitches                                     | 4  |
| Height   | 3.19 in (81 mm)  |
| Width  | 1.42 in (36 mm)  |
| Depth  | 2.87 in (73 mm)  |
| Net Weight                                       | 0.56 lb(US) (0.256 kg)   |
| Color  | Gray   |
| Mechanical durability                            | 20000 cycles   |
| Electrical durability                            | 3000 cycles L/R = 2 ms   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                             |   |
|-----------------------------|---|
| Provision for padlocking    | Padlockable   |
| Locking options description | In position O   |
| Connections - terminals     | Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 4) - rigid stranded<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 6) - flexible<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 6) - flexible with ferrule<br>Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - rigid stranded<br>Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible<br>Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal top or bottom) - 3 0.00 in <sup>2</sup> (1 mm <sup>2</sup> ) AWG 18) - flexible stranded |
| Wire stripping length       | 0.55 in (14 mm) for top or bottom connection  |
| Tightening torque           | 22.13 lbf.in (2.5 N.m) top or bottom  |
| Earth-leakage protection    | Without   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | UL 1077<br>GB 14048.2<br>EN/IEC 60947-2  |
| Product certifications                | UR[RETURN]CCC[RETURN]IEC   |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3 EN/IEC 60947-2   |
| Overvoltage category                  | IV   |
| Tropicalisation                       | 2 IEC 60068-2<br>2 GB 14048.2  |
| Relative humidity                     | 95 % 131 °F (55 °C)  |
| Operating altitude                    | 6561.68 ft (2000 m)  |
| 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          | 00915-C60N MINIATURE CIRCUIT BREAKER-UL489 |
| Discount Schedule | DE2  |
| GTIN              | 3606480056963                              |
| Returnability     | No   |
| Country of origin | CN   |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.42 in (3.6 cm)       |
| Package 1 Width              | 2.95 in (7.5 cm)       |
| Package 1 Length             | 3.35 in (8.5 cm)       |
| Package 1 Weight             | 8.36 oz (237.0 g)      |
| Unit Type of Package 2       | BB1                    |
| Number of Units in Package 2 | 6                      |
| Package 2 Height             | 3.15 in (8.0 cm)       |
| Package 2 Width              | 3.54 in (9.0 cm)       |
| Package 2 Length             | 8.98 in (22.8 cm)      |
| Package 2 Weight             | 3.25 lb(US) (1.476 kg) |
| Unit Type of Package 3       | S03                    |
| Number of Units in Package 3 | 72                     |
| 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 | 40.62 lb(US) (18.425 kg) |

### Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product                         |
| REACH Regulation           | <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information | <a href="#">Yes</a>                           |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | No need of specific recycling operations      |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|