



## Main

|                           |                                                                                                                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi 9                                                                                                                                                                                                                                        |
| Product name              | Multi 9 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        | 0.5 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                             |
| Network type              | DC                                                                                                                                                                                                                                             |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                               |
| Curve code                | C                                                                                                                                                                                                                                              |
| 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                | 7...10 x In DC                                                                                                                                                                                                                       |
| [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                                 | 3.19 in (81 mm)                                                                                                                                                                                                                      |
| Maximum Width                          | 1.42 in (36 mm)                                                                                                                                                                                                                      |
| Depth                                  | 2.87 in (73 mm)                                                                                                                                                                                                                      |
| Net Weight                             | 0.28 lb(US) (0.128 kg)                                                                                                                                                                                                               |
| Color                                  | 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) 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    | 14 mm for top or bottom connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tightening torque        | 2.5 N.m top or bottom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Earth-leakage protection | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Heat dissipation                      | 4.4 W 440 V - 0.5 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 % at 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              | 00948 - M9 GEN 2 CB UL1077 / IEC |
| Discount Schedule     | DE2                              |
| GTIN                  | 00785901775775                   |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 0.54 lb(US) (0.24 kg)            |
| Returnability         | Yes                              |
| Country of origin     | CN                               |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.850 dm |
| Package 1 width  | 0.360 dm |
| Package 1 Length | 0.750 dm |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes                                                                                                                               |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |