



### Main

|                           |   |
|---------------------------|---|
| Range of product          | Multi 9   |
| 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         | 1P  |
| Number of protected poles | 1   |
| [In] rated current        | 3 A at 25 °C conforming to EN/IEC 60947-2   |
| Network type              | DC  |
| Trip unit technology      | Thermal-magnetic  |
| Curve code                | D   |
| Breaking capacity code    | H   |
| Breaking capacity         | Icu 10 kA at 220 V DC conforming to EN/IEC 60947-2<br>Icu 6 kA at 250 V DC conforming to EN/IEC 60947-2<br>Icu 20 kA at 110 V DC conforming to EN/IEC 60947-2<br>AIR 5 kA at 12...250 V DC conforming to UL 1077<br>Icu 10 kA at 220 V DC conforming to GB 14048.2<br>Icu 6 kA at 250 V DC conforming to GB 14048.2<br>Icu 20 kA at 110 V DC conforming to GB 14048.2 |
| Utilisation category      | Category A conforming to EN/IEC 60947-2   |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2  |
| Standards                 | UL 1077<br>GB 14048.2<br>EN/IEC 60947-2   |
| Product certifications    | CCC<br>IEC<br>UR  |

### Complementary

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

4.5 kA 75 % x Icu at 250 V DC conforming to EN/IEC 60947-2  
 15 kA 75 % x Icu at 110 V DC conforming to EN/IEC 60947-2  
 7.5 kA 75 % x Icu at 220 V DC conforming to GB 14048.2  
 4.5 kA 75 % x Icu at 250 V DC conforming to GB 14048.2  
 15 kA 75 % x Icu at 110 V DC conforming to GB 14048.2

|  |  |
|--|--|
| [Ui] rated insulation voltage          | 500 V DC conforming to EN/IEC 60947-2  |
| [Uimp] rated impulse withstand voltage | 6 kV 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   |
| Connection pitch                       | 18 mm Between devices  |
| 9 mm pitches                           | 2  |
| Height                                 | 81 mm  |
| Width                                  | 18 mm  |
| Depth                                  | 73 mm  |
| Product 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 rigid stranded wire(s) 1...25 mm <sup>2</sup> max (AWG 18...AWG 4)<br>Tunnel type terminal, top or bottom flexible wire(s) 1...16 mm <sup>2</sup> max (AWG 18...AWG 6)<br>Tunnel type terminal, top or bottom flexible with ferrule wire(s) 1...16 mm <sup>2</sup> max (AWG 18...AWG 6)<br>Tunnel type terminal, top or bottom for 2 rigid stranded wire(s) 1...10 mm <sup>2</sup> max (AWG 18...AWG 8)<br>Tunnel type terminal, top or bottom for 2 flexible wire(s) 1...10 mm <sup>2</sup> max (AWG 18...AWG 8)<br>Tunnel type terminal, top or bottom for 2 flexible with ferrule wire(s) 1...10 mm <sup>2</sup> max (AWG 18...AWG 8)<br>Tunnel type terminal, top or bottom for 3 flexible stranded wire(s) 1 mm <sup>2</sup> max (AWG 18) |
| Wire stripping length                  | 14 mm (top or bottom)  |
| Tightening torque                      | 2.5 N.m (top or bottom)  |
| Earth-leakage protection               | Without  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Heat dissipation                      | 2.2 W 220 V 3 A  |
| IP degree of protection               | IP40 for modular enclosure conforming to IEC 60529<br>IP20 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 % ( 55 °C )   |
| Ambient air temperature for operation | -25...70 °C  |
| Ambient air temperature for storage   | -40...85 °C  |