



### Main

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                     |
| [In] rated current        | 25 A at 25 °C conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                            |
| Network type              | DC                                                                                                                                                                                                                                                                                                                                                                    |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                      |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                     |
| Breaking capacity         | 20 KA Icu at 220 V DC conforming to EN/IEC 60947-2<br>10 KA Icu at 440 V DC conforming to EN/IEC 60947-2<br>6 KA Icu at 500 V DC conforming to EN/IEC 60947-2<br>5 KA AIR at 12...500 V DC conforming to UL 1077<br>20 KA Icu at 220 V DC conforming to GB 14048.2<br>10 KA Icu at 440 V DC conforming to GB 14048.2<br>6 kA Icu at 500 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                 | 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 % conforming to EN/IEC 60947-2 - 440 V DC<br>4.5 KA 75 % conforming to EN/IEC 60947-2 - 500 V DC<br>15 KA 75 % conforming to EN/IEC 60947-2 - 220 V DC<br>7.5 KA 75 % conforming to GB 14048.2 - 440 V DC<br>4.5 KA 75 % conforming to GB 14048.2 - 500 V DC<br>15 KA 75 % conforming to GB 14048.2 - 220 V DC |
| [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                                                                                                                                                                                                                                                                                                                 |
| 9 mm pitches                           | 4                                                                                                                                                                                                                                                                                                                        |
| Height                                 | 81 mm                                                                                                                                                                                                                                                                                                                    |
| Width                                  | 36 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 mm <sup>2</sup> (AWG 18...AWG 2) - rigid stranded<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> (AWG 18...AWG 4) - flexible<br>Tunnel type terminal (top or bottom) 1...25 mm <sup>2</sup> (AWG 18...AWG 4) - flexible with ferrule<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm <sup>2</sup> (AWG 18...AWG 6) - rigid stranded<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm <sup>2</sup> (AWG 18...AWG 6) - flexible<br>Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm <sup>2</sup> (AWG 18...AWG 6) - flexible with ferrule<br>Tunnel type terminal (top or bottom) - 3 cable(s) 4 mm <sup>2</sup> (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

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Heat dissipation                      | 6.2 W at 440 V - 25 A                                                            |
| 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

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.232 kg |
| 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> |
| Toxic heavy metal free     | Yes                                                                                                                               |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |