



Main

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| 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 | 2P |
| Number of protected poles | 2 |
| [In] rated current | 10 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 20 kA at 220 V DC conforming to EN/IEC 60947-2 Icu 10 kA at 440 V DC conforming to EN/IEC 60947-2 Icu 6 kA at 500 V DC conforming to EN/IEC 60947-2 AIR 5 kA at 12...500 V DC conforming to UL 1077 Icu 20 kA at 220 V DC conforming to GB 14048.2 Icu 10 kA at 440 V DC conforming to GB 14048.2 Icu 6 kA 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 | UL 1077 GB 14048.2 EN/IEC 60947-2 |
| Product certifications | CCC IEC UR |

Complementary

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| [Ue] rated operational voltage | 220 V DC 440 V DC 500 V DC |
| Magnetic tripping limit | 10...14 x In DC |
| [Ics] rated service breaking capacity | 7.5 kA 75 % x Icu at 440 V DC conforming to EN/IEC 60947-2 |

4.5 kA 75 % x Icu at 500 V DC conforming to EN/IEC 60947-2
 15 kA 75 % x Icu at 220 V DC conforming to EN/IEC 60947-2
 7.5 kA 75 % x Icu at 440 V DC conforming to GB 14048.2
 4.5 kA 75 % x Icu at 500 V DC conforming to GB 14048.2
 15 kA 75 % x Icu at 220 V DC conforming to GB 14048.2

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| [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 phases |
| 9 mm pitches | 4 |
| Height | 81 mm |
| Width | 36 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 6000 cycles 250 V DC |
| Provision for padlocking | Padlockable |
| Connections - terminals | Tunnel type terminal, top or bottom rigid stranded wire(s) 1...25 mm ² max (AWG 18...AWG 4) Tunnel type terminal, top or bottom flexible wire(s) 1...16 mm ² max (AWG 18...AWG 6) Tunnel type terminal, top or bottom flexible with ferrule wire(s) 1...16 mm ² max (AWG 18...AWG 6) Tunnel type terminal, top or bottom for 2 rigid stranded wire(s) 1...10 mm ² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 2 flexible wire(s) 1...10 mm ² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 2 flexible with ferrule wire(s) 1...10 mm ² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 3 flexible stranded wire(s) 1 mm ² 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

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| Heat dissipation | 3.6 W 440 V 10 A |
| IP degree of protection | IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to EN/IEC 60947-2 |
| Tropicalisation | 2 conforming to IEC 60068-2 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 |