

M9U21270

Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 0.5A, C curve, 5kA (UL1077), 6kA (IEC/EN 60947-2)



Main

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|---------------------------|--|
| 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 | 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 10 KA Icu 440 V DC EN/IEC 60947-2 6 KA Icu 500 V DC EN/IEC 60947-2 5 KA AIR 12...500 V DC UL 1077 20 KA Icu 220 V DC GB 14048.2 10 KA Icu 440 V DC GB 14048.2 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 GB 14048.2 UL 1077 |
| Product certifications | IEC CCC UR |

Complementary

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|--|--|
| [Ue] rated operational voltage | 220 V DC 440 V DC 500 V DC |
| Magnetic tripping limit | 7...10 x I _n DC |
| [Ics] rated service breaking capacity | 7.5 KA 75 % EN/IEC 60947-2 - 440 V DC 4.5 KA 75 % EN/IEC 60947-2 - 500 V DC 15 KA 75 % EN/IEC 60947-2 - 220 V DC 7.5 KA 75 % GB 14048.2 - 440 V DC 4.5 KA 75 % GB 14048.2 - 500 V DC 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 kVEN/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) |
| Width | 1.42 in (36 mm) |
| Depth | 2.87 in (73 mm) |
| Net Weight | 0.28 lb(US) (0.128 kg) |

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| Color | Gray |
| 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) 0.00...0.04 in ² (1...25 mm ²) AWG 18...AWG 4) - rigid stranded Tunnel type terminal top or bottom) 0.00...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) 0.00...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...10 mm ²) AWG 18...AWG 8) - rigid stranded Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...10 mm ²) AWG 18...AWG 8) - flexible Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...10 mm ²) AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.00 in ² (1 mm ²) AWG 18) - flexible stranded |
| Wire stripping length | 0.55 in (14 mm) top or bottom |
| Tightening torque | 22.13 lbf.in (2.5 N.m) top or bottom |
| Earth-leakage protection | Without |

Environment

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|---------------------------------------|--|
| Heat dissipation | 4.4 W 440 V - 0.5 A |
| IP degree of protection | IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree | 3 EN/IEC 60947-2 |
| Tropicalisation | 2 IEC 60068-2 2 GB 14048.2 |
| Relative humidity | 95 % 131 °F (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

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|-------------------|--------------------------------|
| Category | 00948-M9 GEN 2 CB UL1077 / IEC |
| Discount Schedule | DE2 |
| GTIN | 3606480741722 |
| Returnability | Yes |
| Country of origin | CN |

Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.35 in (8.5 cm) |
| Package 1 Width | 1.42 in (3.6 cm) |
| Package 1 Length | 2.95 in (7.5 cm) |
| Package 1 Weight | 7.80 oz (221.0 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 3.23 in (8.2 cm) |
| Package 2 Width | 3.54 in (9.0 cm) |
| Package 2 Length | 8.86 in (22.5 cm) |
| Package 2 Weight | 3.04 lb(US) (1.378 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 | 37.53 lb(US) (17.023 kg) |

Offer Sustainability

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| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |