

# M9F42120

## Multi 9 - C60BP - MCB - 1P - 20 A - C Curve - 277 V - 10 kA - UL 489

Product availability : Stock - Normally stocked in distribution facility



### Main

|                           |  |
|---------------------------|--|
| Range                     | Multi 9  |
| Product name              | Multi 9 C60  |
| Product or component type | Miniature circuit-breaker  |
| Device short name         | C60BP  |
| Device application        | Distribution   |
| Poles description         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 20 A at 77 °F (25 °C) conforming to EN/IEC 60947-2   |
| Network type              | AC<br>DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | Icu 3 kA at 415 V AC conforming to EN/IEC 60947-2<br>Icu 10 kA at 240 V AC conforming to EN/IEC 60947-2<br>Icu 20 kA at 60 V DC conforming to EN/IEC 60947-2<br>Icu 3 kA at 415 V AC conforming to GB 14048.2<br>Icu 10 kA at 240 V AC conforming to GB 14048.2<br>Icu 20 kA at 60 V DC conforming to GB 14048.2<br>AIR 10 kA at 277 V AC conforming to UL 489<br>AIR 14 kA at 240 V AC conforming to UL 489<br>AIR 14 kA at 120 V AC conforming to UL 489<br>AIR 10 kA at 60 V DC conforming to UL 489<br>AIR 10 kA at 277 V AC conforming to CSA C22.2 No 5<br>AIR 14 kA at 240 V AC conforming to CSA C22.2 No 5<br>AIR 14 kA at 120 V AC conforming to CSA C22.2 No 5<br>AIR 10 kA at 60 V DC conforming to CSA C22.2 No 5 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2   |
| Standards                 | UL 489<br>CSA C22.2 No 5<br>GB 14048.2<br>EN/IEC 60947-2   |
| Product certifications    | UL   |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Complementary

|  |  |
|--|--|
| System Voltage                         | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>60 V DC  |
| Magnetic tripping limit                | 8.5 x In +/- 20% AC<br>12 x In +/- 20% DC  |
| [Ics] rated service breaking capacity  | 2.25 kA 75 % x Icu at 415 V AC conforming to EN/IEC 60947-2<br>7.5 kA 75 % x Icu at 240 V AC conforming to EN/IEC 60947-2<br>2.25 kA 75 % x Icu at 415 V AC conforming to GB 14048.2<br>7.5 kA 75 % x Icu at 240 V AC conforming to GB 14048.2<br>15 kA 75 % x Icu at 60 V DC conforming to GB 14048.2<br>15 kA 75 % x Icu at 60 V DC conforming to EN/IEC 60947-2                                     |
| [Ui] rated insulation voltage          | 500 V AC 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                           | 2  |
| Height                                 | 4.06 in (103 mm)   |
| Width                                  | 0.71 in (18 mm)  |
| Depth                                  | 2.83 in (72 mm)  |
| Colour                                 | Grey   |
| Mechanical durability                  | 20000 cycles   |
| Electrical durability                  | 10000 cycles   |
| Provision for padlocking               | Padlockable  |
| Connections - terminals                | Tunnel type terminal, top or bottom flexible with ferrule wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 8)<br>Tunnel type terminal, top or bottom rigid wire(s) 0...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) max (AWG 18...AWG 8)<br>Tunnel type terminal, top or bottom flexible wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 8) |
| Wire stripping length                  | 0.55 in (14 mm) (top or bottom)  |
| Tightening torque                      | 22.12 lbf.in (2.5 N.m) (top or bottom)   |
| Earth-leakage protection               | Without  |

## Environment

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | IP40 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 60068-1  |
| Relative humidity                     | 95 % ( 131 °F (55 °C) )  |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)  |
| Ambient air temperature for operation | -22...158 °F (-30...70 °C)   |
| Ambient air temperature for storage   | -40...176 °F (-40...80 °C)   |

## Ordering and shipping details

|                       |                           |
|-----------------------|---------------------------|
| Category              | 00949 - M9 GEN 2 CB UL489 |
| Discount Schedule     | DE2                       |
| GTIN                  | 00785901670094            |
| Nbr. of units in pkg. | 1                         |
| Package weight(Lbs)   | 0.27000000000000002       |
| Returnability         | Y                         |

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|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

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### Offer Sustainability

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|                          |  |
|--------------------------|--|
| Sustainable offer status | Not Green Premium product  |
| REACH                    | Reference not containing SVHC above the threshold<br>Reference not containing SVHC above the threshold |

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