

# Product data sheet

## Characteristics

# M9F22310

## Multi9 - C60SP - MCB - 3P - 10 A - C Curve - 480Y/277 V - 10 kA - UL 1077

Product availability : Stock - Normally stocked in distribution facility



Price\* : 315.00 USD



### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Multi 9                                                                                                                                                                                                                                                                                                                                                          |
| Product name              | Multi 9 C60                                                                                                                                                                                                                                                                                                                                                      |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                                                        |
| Device short name         | C60SP                                                                                                                                                                                                                                                                                                                                                            |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                                                     |
| Poles description         | 3P                                                                                                                                                                                                                                                                                                                                                               |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                                                                |
| Line Rated Current        | 10 A 77 °F (25 °C) EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                |
| Network type              | AC                                                                                                                                                                                                                                                                                                                                                               |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                 |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                                                |
| Breaking capacity         | 14 kA AIR 240 V AC UL 1077<br>14 kA AIR 240 V AC CSA C22.2 No 235<br>10 kA AIR 480Y/277 V AC UL 1077<br>10 kA AIR 480Y/277 V AC CSA C22.2 No 235<br>6 kA Icu 440 V AC EN/IEC 60947-2<br>10 kA Icu 415 V AC EN/IEC 60947-2<br>20 kA Icu 240 V AC EN/IEC 60947-2<br>6 kA Icu 440 V AC GB 14048.2<br>10 kA Icu 415 V AC GB 14048.2<br>20 kA Icu 240 V AC GB 14048.2 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                 |
| Standards                 | EN/IEC 60947-2<br>GB 14048.2<br>UL 1077<br>CSA C22.2 No 235                                                                                                                                                                                                                                                                                                      |
| Product certifications    | IEC<br>CCC<br>UR<br>CSA                                                                                                                                                                                                                                                                                                                                          |

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Jul 30, 2021

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz<br>415 V AC 50/60 Hz<br>440 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                    |
| Magnetic tripping limit                | 8.5 x I <sub>n</sub> +/- 20 % AC                                                                                                                                                                                                                                                                                                                                               |
| [Ics] rated service breaking capacity  | 4.5 kA 75 % EN/IEC 60947-2 - 440 V AC<br>7.5 kA 75 % EN/IEC 60947-2 - 415 V AC<br>15 kA 75 % EN/IEC 60947-2 - 240 V AC<br>4.5 kA 75 % GB 14048.2 - 440 V AC<br>7.5 kA 75 % GB 14048.2 - 415 V AC<br>15 kA 75 % GB 14048.2 - 240 V AC                                                                                                                                           |
| [Ui] rated insulation voltage          | 500 V AC EN/IEC 60947-2                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage | 6 kV 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                           | 6                                                                                                                                                                                                                                                                                                                                                                              |
| Height                                 | 3.19 in (81 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Width                                  | 2.13 in (54 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Depth                                  | 2.83 in (72 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Color                                  | Gray                                                                                                                                                                                                                                                                                                                                                                           |
| Mechanical durability                  | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                   |
| Electrical durability                  | 10000 cycles                                                                                                                                                                                                                                                                                                                                                                   |
| Provision for padlocking               | Padlockable                                                                                                                                                                                                                                                                                                                                                                    |
| Connections - terminals                | Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 8) - rigid<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible with ferrule<br>Tunnel type terminal top or bottom) 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible |
| 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

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| 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 60068-1                                                      |
| 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              | 00948 - M9 GEN 2 CB UL1077 / IEC |
| Discount Schedule     | DE2                              |
| GTIN                  | 03606481168559                   |
| Nbr. of units in pkg. | 1                                |
| Package weight(Lbs)   | 11.82 oz (335 g)                 |
| Returnability         | Yes                              |
| Country of origin     | FR                               |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Package 1 Height             | 2.13 in (5.4 cm)         |
| Package 1 width              | 2.95 in (7.5 cm)         |
| Package 1 Length             | 3.35 in (8.5 cm)         |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 4                        |
| Package 2 Weight             | 3.05 lb(US) (1.383 kg)   |
| Package 2 Height             | 3.54 in (9 cm)           |
| Package 2 width              | 3.15 in (8 cm)           |
| Package 2 Length             | 9.06 in (23 cm)          |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 48                       |
| Package 3 Weight             | 37.66 lb(US) (17.083 kg) |
| Package 3 Height             | 11.81 in (30 cm)         |
| Package 3 width              | 11.81 in (30 cm)         |
| Package 3 Length             | 15.75 in (40 cm)         |

## Offer Sustainability

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                        |
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                            |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                             |
| Mercury free                | Yes                                                                                                                          |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                          |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information.       |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                                |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Halogen content performance | Halogen free product                                                                                                         |