

Product data sheet

Specifications



Miniature circuit breaker (MCB),
Multi9 C60SP, 2P, 32A, D curve,
10kA (UL1077), 10kA (IEC/EN
60947-2)

M9F23232

Main

| | |
|---------------------------|---|
| Range | Multi9 |
| Product Name | Multi9 C60 |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | C60SP |
| Device Application | Distribution |
| Poles Description | 2P |
| Number Of Protected Poles | 2 |
| [In] Rated Current | 32 A at 25 °C conforming to EN/IEC 60947-2 |
| Network Type | DC AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | D |
| Breaking Capacity | 14 kA AIR at 240 V AC conforming to UL 1077 14 kA AIR at 240 V AC conforming to CSA C22.2 No 235 10 kA AIR at 480Y/277 V AC conforming to UL 1077 10 kA AIR at 125 V DC conforming to UL 1077 10 kA AIR at 480Y/277 V AC conforming to CSA C22.2 No 235 10 kA AIR at 125 V DC conforming to CSA C22.2 No 235 6 kA Icu at 440 V AC conforming to EN/IEC 60947-2 10 kA Icu at 415 V AC conforming to EN/IEC 60947-2 20 kA Icu at 240 V AC conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC conforming to GB 14048.2 10 kA Icu at 415 V AC conforming to GB 14048.2 20 kA Icu at 240 V AC conforming to GB 14048.2 |
| Suitability For Isolation | Yes conforming to EN/IEC 60947-2 |
| Standards | EN/IEC 60947-2 GB 14048.2 UL 1077 CSA C22.2 No 235 |
| Product Certifications | IEC CCC UR CSA |

Complementary

| | |
|--------------------------------|---|
| [Ue] Rated Operational Voltage | 240 V AC 50/60 Hz 415 V AC 50/60 Hz 440 V AC 50/60 Hz |
| Magnetic Tripping Limit | 12 x In +/- 20 % AC 17 x In +/- 20 % DC |

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

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| [Ics] Rated Service Breaking Capacity | 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC 15 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 4.5 kA 75 % conforming to GB 14048.2 - 440 V AC 7.5 kA 75 % conforming to GB 14048.2 - 415 V AC 15 kA 75 % conforming to GB 14048.2 - 240 V AC |
| [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 | 4 |
| Height | 81 mm |
| Width | 36 mm |
| Depth | 72 mm |
| Colour | Grey |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles |
| Provision For Padlocking | Padlockable |
| Connections - Terminals | Tunnel type terminal (top or bottom)1...35 mm² (AWG 18...AWG 2) - rigid Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 3) - flexible with ferrule Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 3) - flexible |
| Wire Stripping Length | 14 mm for top or bottom connection |
| Tightening Torque | 3.5 N.m top or bottom |
| Earth-Leakage Protection | Without |

Environment

| | |
|---------------------------------------|--|
| Ip Degree Of Protection | IP20 conforming to IEC 60529 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 % at 55 °C |
| Operating Altitude | 0...2000 m |
| Ambient Air Temperature For Operation | -30...70 °C |
| Ambient Air Temperature For Storage | -40...80 °C |

Packing Units

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|------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 3.6 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 8.5 cm |

| | |
|------------------------------|-----------|
| Package 1 Weight | 250.0 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 6 |
| Package 2 Height | 8.0 cm |
| Package 2 Width | 9.0 cm |
| Package 2 Length | 22.5 cm |
| Package 2 Weight | 1.548 kg |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 72 |
| Package 3 Height | 30.0 cm |
| Package 3 Width | 30.0 cm |
| Package 3 Length | 40.0 cm |
| Package 3 Weight | 19.063 kg |

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Halogen Free Product

Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | No need of specific recycling operations |