# Product data sheet
## Characteristics

# M9C01203
## Miniature circuit breaker (MCB), Multi9 C60CTRL, 2P, 3A, C curve, 100kA (IEC/EN 60947-2)

## Main

| | |
|---|---|
| Range | Multi9 |
| Product name | Multi9 C60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | C60CTRL |
| Device application | Distribution |
| Poles description | 2P |
| Number of protected poles | 2 |
| [In] rated current | 3 A |
| Network type | AC<br>DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 100 KA Icu at 240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>30 KA Icu at 125 V DC conforming to EN/IEC 60947-2<br>100 kA Icu at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Utilisation category | Category A conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Standards | EN/IEC 60947-2 |
| Product certifications | CE |

## Complementary

| | |
|---|---|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 240 V AC 50/60 Hz between phases<br>415 V AC 50/60 Hz between phases<br>125 V DC |
| Magnetic tripping limit | 8.5 x In +/- 20 % AC<br>12 x In +/- 20 % DC |
| [Ics] rated service breaking capacity | 50 KA 50 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz<br>30 KA 100 % conforming to EN/IEC 60947-2 - 125 V DC<br>50 kA 50 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz 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 |
| Net weight | 0.24 kg |
| Colour | Grey |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |

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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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| | |
|---|---|
| Provision for padlocking | Padlockable |
| Connections - terminals | Tunnel type terminal (top or bottom)1…25 mm² - rigid<br>Tunnel type terminal (top or bottom)1…25 mm² - flexible<br>Tunnel type terminal (top or bottom)1…25 mm² - flexible with ferrule |
| Wire stripping length | 14 mm for top or bottom connection |
| Tightening torque | 2 N.m top or bottom |
| Earth-leakage protection | Separate block |

## 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 % at 55 °C |
| Ambient air temperature for operation | -30…70 °C |
| Ambient air temperature for storage | -40…80 °C |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.5 cm |
| Package 1 Width | 3.6 cm |
| Package 1 Length | 8.5 cm |
| Package 1 Weight | 230.164 g |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 7.8 cm |
| Package 2 Width | 8.7 cm |
| Package 2 Length | 22.5 cm |
| Package 2 Weight | 1.428 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 | 17.574 kg |