

Product data sheet

Characteristics

MX9MC316

Miniature circuit-breaker (MCB), MAX9, 3P,
16A, C Curve, 6000A, 415V, distribution



Main

| | |
|--------------------------------|----------------------------------|
| Range | MAX9 |
| Product or component type | Miniature circuit-breaker |
| Device application | Distribution |
| Poles description | 3P |
| Number of protected poles | 3 |
| [In] rated current | 16 A at 30 °C 16.0 A at 30 °C |
| Network type | AC |
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 415 V AC 50/60 Hz |
| Curve code | C |
| Magnetic tripping limit | 5...10 x In |
| Colour | White (RAL 9003) |

Complementary

| | |
|--|---|
| Breaking capacity | 6000 A Icn at 415 V AC 50/60 Hz conforming to AS/NZS 60898 |
| [Ics] rated service breaking capacity | 6000 A 100 % - 415 V AC 50/60 Hz |
| Limitation class | 3 |
| [Uimp] rated impulse withstand voltage | 4 kV |
| [Ui] rated insulation voltage | 500 V |
| Suitability for isolation | Yes |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | ON/OFF indication |
| 9 mm pitches | 6 |
| Height | 85 mm |
| Width | 54 mm |
| Embedding depth | 44 mm |
| Depth | 75 mm |
| Product weight | 375 g |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles 240 V |
| Heat dissipation | 2.1 W |
| Provision for padlocking | Padlockable |
| Connections - terminals | Tunnel type terminals (top or bottom) 1...16 mm ² flexible Tunnel type terminals (top or bottom) 1...25 mm ² rigid |
| Wire stripping length | 14 mm for top or bottom connection |
| Tightening torque | 2 N.m |
| Grid distance | 45 mm |

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Environment

| | |
|---------------------------------------|--|
| Quality labels | RCM |
| IP degree of protection | IP20 |
| Pollution degree | 2 |
| Overvoltage category | III |
| Tropicalisation | Severity B conforming to IEC 60068-2-30 |
| Relative humidity | 95 % at 55 °C |
| Operating altitude | 0...2000 m |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Temperature derating table | -25 °C (19 A) -20 °C (18.7 A) -15 °C (18.5 A) -10 °C (18.2 A) -5 °C (18 A) 0 °C (17.7 A) 5 °C (17.4 A) 10 °C (17.1 A) 15 °C (16.9 A) 20 °C (16.6 A) 25 °C (16.3 A) 30 °C (16 A) 35 °C (15.7 A) 40 °C (15.4 A) 45 °C (15.1 A) 50 °C (14.8 A) 55 °C (14.5 A) 60 °C (14.1 A) 65 °C (13.8 A) 70 °C (13.4 A) |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 312 g |
| Package 1 Height | 7.4 cm |
| Package 1 width | 8.5 cm |
| Package 1 Length | 5.3 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 4 |
| Package 2 Weight | 1.248 kg |
| Package 2 Height | 8 cm |
| Package 2 width | 22 cm |
| Package 2 Length | 9.85 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 28 |
| Package 3 Weight | 9.436 kg |
| Package 3 Height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 Length | 40 cm |

Offer Sustainability

| | |
|----------------------------|---|
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

China RoHS Regulation

 [China RoHS Declaration](#)

Environmental Disclosure

 [Product Environmental Profile](#)
