

Product datasheet

Specifications



Clipsal MAX9, Miniature Circuit-Breaker (MCB), 3P, 20A, C Curve, 6000A, 415V, Distribution

MX9MC320

Main

Range	MAX9
Product Or Component Type	Miniature circuit-breaker
Device Application	Distribution
Poles Description	3P
Number Of Protected Poles	3
[In] Rated Current	20 A at 30 °C 20.0 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
Net Weight	375 g
Mechanical Durability	20000 cycles

Electrical Durability	10000 cycles 240 V
Heat Dissipation	2.2 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

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 (23.5 A) -20 °C (23.2 A) -15 °C (22.9 A) -10 °C (22.6 A) -5 °C (22.3 A) 0 °C (22 A) 5 °C (21.7 A) 10 °C (21.4 A) 15 °C (21 A) 20 °C (20.7 A) 25 °C (20.4 A) 30 °C (20 A) 35 °C (19.7 A) 40 °C (19.3 A) 45 °C (18.9 A) 50 °C (18.6 A) 55 °C (18.2 A) 60 °C (17.8 A) 65 °C (17.4 A) 70 °C (17 A)

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.4 cm
Package 1 Width	8.5 cm
Package 1 Length	5.3 cm
Package 1 Weight	319.0 g

Contractual warranty

Warranty	7-year
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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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Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information [Yes](#)

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](#)

Circularity Profile No need of specific recycling operations