

# Product datasheet

Specifications



## Clipsal MAX9, Miniature Circuit-Breaker (MCB), 1P, 16A, C Curve, 6000A, 240/415V, Distribution

MX9MC116

### Main

Range	MAX9
Product Or Component Type	Miniature circuit-breaker
Device Application	Distribution
Poles Description	1P
Number Of Protected Poles	1
[In] Rated Current	16 A at 30 °C
Network Type	AC
Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	240 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 240 V AC 50/60 Hz conforming to AS/NZS 60898
[Ics] Rated Service Breaking Capacity	6000 A 100 % - 240 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	2
Height	85 mm
Width	18 mm
Embedding Depth	44 mm
Depth	75 mm
Net Weight	125 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 <sup>2</sup> flexible Tunnel type terminals (top or bottom) 1...25 mm <sup>2</sup> 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 ( 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 Height	7.2 cm
Package 1 Width	8.5 cm
Package 1 Length	1.8 cm
Package 1 Weight	105.0 g

## Contractual warranty

Warranty	7-year
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## Sustainability

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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