

## Product data sheet

### Characteristics

# MX9MC120

Miniature circuit-breaker (MCB), MAX9, 1P,  
20A, C Curve, 6000A, 240/415V, distribution



### Main

Range	MAX9
Product or component type	Miniature circuit-breaker
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	20 A at 30 °C
Network type	AC
Network frequency	50/60 Hz
[Ue] rated operational voltage	240/415 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 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
Product weight	125 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 <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

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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 ( 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 Weight	106 g
Package 1 Height	7.2 cm
Package 1 width	8.5 cm
Package 1 Length	1.8 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	1.344 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	84
Package 3 Weight	10.108 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>

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China RoHS Regulation

 [China RoHS Declaration](#)

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Environmental Disclosure

 [Product Environmental Profile](#)

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