

## Product data sheet

### Characteristics

# MX9R3106

Residual current breaker with overcurrent protection (RCBO), MAX9, 1PN, 6 A, 30mA, C Curve, 6000A, A type, SLIM



### Main

Range	MAX9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + N
Number of protected poles	1
[In] rated current	6 A at 30 °C conforming to AS/NZS 61009.1
Network type	AC
Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection class	Type A

### Complementary

Earth-leakage protection time delay	Instantaneous
Breaking capacity	6000 A Icn at 240 V AC 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
9 mm pitches	2
Height	93 mm
Width	18 mm
Depth	73 mm
Product weight	136 g
Connections - terminals	Tunnel type terminal - 1...16 mm <sup>2</sup> - rigid Tunnel type terminal - 1...10 mm <sup>2</sup> - flexible
Comb busbar and distribution block compatibility	YES

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Temperature derating table	-25 °C ( 7.5 A )
	-20 °C ( 7.4 A )
	-15 °C ( 7.3 A )
	-10 °C ( 7.1 A )
	-5 °C ( 7 A )
	0 °C ( 6.9 A )
	5 °C ( 6.7 A )
	10 °C ( 6.6 A )
	15 °C ( 6.5 A )
	20 °C ( 6.3 A )
	25 °C ( 6.2 A )
	30 °C ( 6 A )
	35 °C ( 5.8 A )
	40 °C ( 5.7 A )
	45 °C ( 5.5 A )
	50 °C ( 5.3 A )
	55 °C ( 5.2 A )
	60 °C ( 5 A )
	65 °C ( 4.8 A )
	70 °C ( 4.6 A )
Grid distance	45 mm

## Environment

Standards	IEC 61009-2-2 EN/IEC 61009-1 AS/NZS 61009.1
Quality labels	RCM
IP degree of protection	IP20
Pollution degree	2
Overvoltage category	III
Ambient air temperature for operation	-25...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	136 g
Package 1 Height	7.7 cm
Package 1 width	9.8 cm
Package 1 Length	2.1 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	1.632 kg
Package 2 Height	8.6 cm
Package 2 width	24.4 cm
Package 2 Length	10.3 cm
Unit Type of Package 3	CAR
Number of Units in Package 3	60
Package 3 Weight	8.66 kg
Package 3 Height	20 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>