

## Product data sheet

### Characteristics

# MX9R3116F

Clipsal MAX9, Residual Current Breaker with Overcurrent Protection (RCBO), 1PN, 16A, 30mA, C Curve, 6000A, A Type, SLIM, 40ms



### 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	16 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	40 ms
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
Net weight	136 g
Connections - terminals	Tunnel type terminal (top) - 1...16 mm <sup>2</sup> - rigid Tunnel type terminal (top) - 1...10 mm <sup>2</sup> - flexible Tunnel type terminal (bottom) - 1...10 mm <sup>2</sup> - rigid Tunnel type terminal (bottom) - 1...6 mm <sup>2</sup> - flexible
Comb busbar and distribution block compatibility	YES

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Temperature derating table	-25 °C ( 19.1 A )
	-20 °C ( 18.8 A )
	-15 °C ( 18.6 A )
	-10 °C ( 18.3 A )
	-5 °C ( 18 A )
	0 °C ( 17.8 A )
	5 °C ( 17.5 A )
	10 °C ( 17.2 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 A )
	50 °C ( 14.7 A )
55 °C ( 14.4 A )	
60 °C ( 14 A )	
65 °C ( 13.7 A )	
70 °C ( 13.3 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 Height	9.65 cm
Package 1 Width	7.15 cm
Package 1 Length	1.8 cm
Package 1 Weight	151 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.6 cm
Package 2 Width	24.4 cm
Package 2 Length	10.3 cm
Package 2 Weight	1.812 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	60
Package 3 Height	20 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	9.56 kg

## 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
Sustainable packaging	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>

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RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

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**Contractual warranty**

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Warranty	7-year
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