

# Product datasheet

Specifications

**CLIPSAL**



## Residual Current Breaker with Overcurrent Protection (RCBO), MAX9, 1PN, 16A, 30mA, C Curve, 6000A, A-SI Type, 2 MOD

MX9R3216S

### 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 Hz
[Ue] rated operational voltage	240 V AC 50 Hz
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection class	Type A-SI (Super Immunised)

### Complementary

Earth-leakage protection time delay	Instantaneous
Breaking capacity	6000 A Icn at 240 V AC 50 Hz
Limitation class	3
[Ui] rated insulation voltage	440 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
9 mm pitches	4
Height	91 mm
Width	36 mm
Depth	75 mm
Product weight	268 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<b>Temperature derating table</b>	-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 )	

<b>Grid distance</b>	45 mm
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## Environment

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

<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
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<b>Package 1 Height</b>	8 cm
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<b>Package 1 Width</b>	4.4 cm
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<b>Package 1 Length</b>	10.2 cm
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<b>Package 1 Weight</b>	224 g
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<b>Unit Type of Package 2</b>	BB1
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<b>Number of Units in Package 2</b>	6
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<b>Package 2 Height</b>	8.6 cm
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<b>Package 2 Width</b>	24.4 cm
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<b>Package 2 Length</b>	10.3 cm
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<b>Package 2 Weight</b>	1.344 kg
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## Contractual warranty

<b>Warranty</b>	7-year
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

EU RoHS Directive

Compliant with Exemptions

REACH Regulation

[REACH Declaration](#)

China RoHS Regulation

[China RoHS declaration](#)

## Use Again

### Repack and remanufacture

Circularity Profile

[No need of specific recycling operations](#)

Take-back

No