

# Product datasheet

Specifications



## Residual Current Breaker with Overcurrent Protection (RCBO), MAX9, 1PN, 16A, 10mA, C Curve, 6000A, A Type, SLIM

MX9R1116

### 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	10 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
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

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 61009-2-2 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>	1.8 cm
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<b>Package 1 Width</b>	9.8 cm
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<b>Package 1 Length</b>	7.2 cm
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<b>Package 1 Weight</b>	141 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>	12
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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>	1.692 kg
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## Contractual warranty

<b>Warranty</b>	7-year
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Sustainable Packaging Transparency RoHS/REACH

## Resource performance

 Sustainable Packaging

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## Well-being performance

 Mercury Free

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 Rohs Exemption Information Yes

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## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant with Exemptions

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**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

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**Environmental Disclosure** [Product Environmental Profile](#)

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**Circularity Profile** No need of specific recycling operations

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