

## Product data sheet

### Characteristics

# MX9R3520

Residual Current Breaker with Overcurrent Protection (RCBO), MAX9, 3PN, 20A, 30mA, C Curve, 6000A, A Type, 5 MOD



### Main

Range	MAX9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	3P + N
Number of protected poles	3
[In] rated current	20 A at 30 °C conforming to AS/NZS 61009.1
Network type	AC
Network frequency	50 Hz
[Ue] rated operational voltage	415 V AC 50 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 415 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	10
Height	95 mm
Width	90 mm
Depth	75 mm
Net weight	500 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
Temperature derating table	-25 °C ( 23.8 A ) -20 °C ( 23.5 A ) -15 °C ( 23.1 A ) -10 °C ( 22.8 A ) -5 °C ( 22.5 A ) 0 °C ( 22.1 A ) 5 °C ( 21.8 A ) 10 °C ( 21.5 A ) 15 °C ( 21.1 A ) 20 °C ( 20.7 A ) 25 °C ( 20.4 A ) 30 °C ( 20 A ) 35 °C ( 19.6 A ) 40 °C ( 19.2 A ) 45 °C ( 18.8 A ) 50 °C ( 18.4 A ) 55 °C ( 18 A ) 60 °C ( 17.6 A ) 65 °C ( 17.2 A ) 70 °C ( 16.7 A )
Grid distance	45 mm

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## Environment

Standards	IEC 61009-2-1 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	7.8 cm
Package 1 Width	9.1 cm
Package 1 Length	9.0 cm
Package 1 Weight	498.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.409 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations

## Contractual warranty

Warranty	7-year
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