

Product data sheet

Characteristics

MX9R3120

Residual current breaker with overcurrent protection (RCBO), MAX9, 1PN, 20A, 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	20 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
Net weight	136 g
Connections - terminals	Tunnel type terminal (top) - 1...16 mm ² - rigid Tunnel type terminal (top) - 1...10 mm ² - flexible Tunnel type terminal (bottom) - 1...10 mm ² - rigid Tunnel type terminal (bottom) - 1...6 mm ² - flexible
Comb busbar and distribution block compatibility	YES

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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

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	142.0 g
Package 1 Height	6.8 cm
Package 1 width	9.8 cm
Package 1 Length	2.2 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	1.704 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	9.02 kg
Package 3 Height	20.0 cm
Package 3 width	30.0 cm
Package 3 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile