

Product data sheet

Characteristics

MX9R3216S

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

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
Net weight	268 g
Connections - terminals	Tunnel type terminal - 1...16 mm ² - rigid Tunnel type terminal - 1...10 mm ² - flexible
Comb busbar and distribution block compatibility	YES
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

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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	8 cm
Package 1 Width	4.4 cm
Package 1 Length	10.2 cm
Package 1 Weight	224 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.6 cm
Package 2 Width	24.4 cm
Package 2 Length	10.3 cm
Package 2 Weight	1.344 kg

Offer Sustainability

Packaging without single use plastic	No
Packaging made with recycled cardboard	Yes
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations Circularity Profile
Take-back	No

Contractual warranty

Warranty	7-year
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