Product data sheet
Characteristics

MX9R3516
Clipsal MAX9, Residual Current Breaker with Overcurrent Protection (RCBO), 3PN, 16A, 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	16 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 mm² - rigid Tunnel type terminal - 1...10 mm² - flexible
Comb busbar and distribution block compatibility	YES

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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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

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	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations

Contractual warranty

Warranty	7-year