

Product datasheet

Specifications



Miniature Circuit Breaker, Max9, 3P+N, 20A, C curve, 6000A

MX9MN320

Main

Range	MAX9
Product or component type	Miniature circuit-breaker
Device application	Distribution
Poles description	3P + N
Number of protected poles	3
[In] rated current	20 A at 30 °C
Network type	AC
Network frequency	50/60 Hz
[Ue] rated operational voltage	415 V AC 50/60 Hz
Curve code	C
Magnetic tripping limit	5...10 x In
Colour	White (RAL 9003)

Complementary

Breaking capacity	6000 A Icn at 415 V AC 50/60 Hz conforming to AS/NZS 60898
[Ics] rated service breaking capacity	6000 A 100 % - 415 V AC 50/60 Hz
Limitation class	3
[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	400 V
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Height	85 mm
Width	53 mm
Depth	71 mm
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Connections - terminals	Tunnel type terminals (top or bottom) 1...10 mm² flexible Tunnel type terminals (top or bottom) 1...16 mm² rigid
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m

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

Grid distance	45 mm
---------------	-------

Environment

Quality labels	RCM
IP degree of protection	IP20
Pollution degree	2
Relative humidity	95 % at 55 °C
Operating altitude	0...2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Temperature derating table	-25 °C (23.16 A) -20 °C (22.9 A) -15 °C (22.61 A) -10 °C (22.34 A) -5 °C (22.06 A) 0 °C (21.78 A) 5 °C (21.49 A) 10 °C (21.2 A) 15 °C (20.9 A) 20 °C (20.61 A) 25 °C (20.3 A) 30 °C (20.0 A) 35 °C (19.69 A) 40 °C (19.37 A) 45 °C (19.04 A) 50 °C (18.72 A) 55 °C (18.38 A) 60 °C (18.04 A) 65 °C (17.7 A) 70 °C (17.34 A)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.4 cm
Package 1 Width	5.3 cm
Package 1 Length	8.5 cm
Package 1 Weight	356 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	22 cm
Package 2 Width	9.9 cm
Package 2 Length	8.7 cm
Package 2 Weight	1.49 kg
Unit Type of Package 3	S03
Number of Units in Package 3	44
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	16.81 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	5

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	No

Use Again

 Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No

Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

