# 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

# **II CLIPSAL**



# Miniature Circuit Breaker, Max9, 3P+N, 16A, C curve, 6000A

MX9MN316

# 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	16 A at 30 °C	
Network type	AC	
Network frequency	50/60 Hz	
[Ue] rated operational voltage	415 V AC 50/60 Hz	
Curve code	С	
Magnetic tripping limit	510 x ln	
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) 110 mm² flexible Tunnel type terminals (top or bottom) 116 mm² rigid	
Wire stripping length	14 mm for top or bottom connection	
Tightening torque	2 N.m	

Grid distance 45 mm

# **Environment**

Quality labels	RCM
IP degree of protection	IP20
Pollution degree	2
Relative humidity	95 % at 55 °C
Operating altitude	02000 m
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C
Temperature derating table	-25 °C (18.98 A) -20 °C (18.73 A) -15 °C (18.48 A) -10 °C (18.21 A) -5 °C (17.967 A) 0 °C (17.69 A) 5 °C (17.15 A) 15 °C (16.58 A) 25 °C (16.29 A) 30 °C (16.0 A) 35 °C (15.70 A) 40 °C (15.4 A) 45 °C (15.08 A) 50 °C (14.17 A) 55 °C (14.11 A) 65 °C (13.77 A) 70 °C (14.11 A)

# **Packing Units**

Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.400 cm
Package 1 Width	5.300 cm
Package 1 Length	9.500 cm
Package 1 Weight	328.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.400 cm
Package 2 Width	9.800 cm
Package 2 Length	21.800 cm
Package 2 Weight	1.365 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	12.834 kg



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**

<b>⊗</b> 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 Benefits**

# MAX9



MAX Speed - upto 15 times faster with MAXBAR



MAX Flexibility compatible with MAX9 PRO DBs & MAXBAR



MAX Space - active & neutral in compact 3 module







MAX Ease - active & neutral termination **Technical Illustration** 

### Assembly's dimensions

