

# M9F10450

Miniature circuit breaker (MCB), Multi9 C60N,  
4P, 50A, B curve, 10kA (IEC/EN 60947-2)



## Main

Range	Multi9
Product name	Multi9 C60
Product or Component Type	Miniature circuit-breaker
Device short name	C60N
Device Application	Distribution
Poles description	4P
Number of protected poles	4
Line Rated Current	50 A 122 °F (50 °C) EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	40 KA Icu <= 250 V DC EN/IEC 60947-2 10 KA Icu 415 V AC 50/60 Hz between phases EN/IEC 60947-2 20 KA Icu 240 V AC 50/60 Hz between phases EN/IEC 60947-2 6 kA Icu 440 V AC 50/60 Hz between phases EN/IEC 60947-2
Utilisation category	Category A EN/IEC 60947-2
Suitability for isolation	Yes EN/IEC 60947-2
Standards	EN/IEC 60947-2
Product certifications	EAC[RETURN]CCC

## Complementary

Network Frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz between phases 415 V AC 50/60 Hz between phases 440 V AC 50/60 Hz between phases <= 250 V DC
Magnetic tripping limit	4 x In +/- 20 % AC 5.7 x In +/- 20 % DC
[Ics] rated service breaking capacity	7.5 KA 75 % EN/IEC 60947-2 - 415 V AC 50/60 Hz 16 KA 75 % EN/IEC 60947-2 - 240 V AC 50/60 Hz 4.5 KA 75 % EN/IEC 60947-2 - 440 V AC 50/60 Hz 40 kA 100 % EN/IEC 60947-2 - <= 250 V DC
[Ui] rated insulation voltage	500 V AC 50/60 Hz EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting Mode	Clip-on
Mounting Support	DIN rail
9 mm pitches	8
Height	3.19 in (81 mm)
Width	2.83 in (72 mm)
Depth	2.83 in (72 mm)
Net Weight	1.06 lb(US) (0.48 kg)
Color	Gray

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal top or bottom) 0.00...0.05 in <sup>2</sup> (1.5...35 mm <sup>2</sup> ) - rigid Tunnel type terminal top or bottom) 0.00...0.05 in <sup>2</sup> (1.5...35 mm <sup>2</sup> ) - flexible Tunnel type terminal top or bottom) 0.00...0.05 in <sup>2</sup> (1.5...35 mm <sup>2</sup> ) - flexible with ferrule
Wire stripping length	0.55 in (14 mm) for top or bottom connection
Tightening torque	30.98 lbf.in (3.5 N.m) top or bottom
Earth-leakage protection	Separate block

## Environment

Heat dissipation	19.2 W 415 V - 50 A
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Ambient air temperature for operation	-22...158 °F (-30...70 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)

## Ordering and shipping details

GTIN	3606480929236
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.83 in (7.2 cm)
Package 1 Width	2.95 in (7.5 cm)
Package 1 Length	3.35 in (8.5 cm)
Package 1 Weight	16.93 oz (480.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	3.07 in (7.8 cm)
Package 2 Width	3.46 in (8.8 cm)
Package 2 Length	8.90 in (22.6 cm)
Package 2 Weight	3.27 lb(US) (1.481 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	11.81 in (30.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	40.33 lb(US) (18.293 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations

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WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Halogen content performance	Halogen free product

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