Product data sheet
Characteristics

M9F22450
Miniature circuit breaker (MCB), Multi9 C60SP, 4P, 50A, C curve, 5kA (UL1077), 10kA (IEC/EN 60947-2)

Main

Range	Multi9
Product name	Multi9 C60
Product or Component Type	Miniature circuit-breaker
Device short name	C60SP
Device Application	Distribution
Poles description	4P
Number of protected poles	4
Line Rated Current	50 A 77 °F (25 °C) EN/IEC 60947-2
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 KA AIR 240 V AC UL 1077 10 KA AIR 240 V AC CSA C22.2 No 235 6 KA Icu 440 V AC EN/IEC 60947-2 10 KA Icu 415 V AC EN/IEC 60947-2 20 KA Icu 240 V AC EN/IEC 60947-2 6 KA Icu 440 V AC GB 14048.2 10 KA Icu 415 V AC GB 14048.2 20 KA Icu 240 V AC GB 14048.2 5 KA AIR 480Y/277 V AC UL 1077 5 kA AIR 480Y/277 V AC CSA C22.2 No 235
Suitability for isolation	Yes EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077 CSA C22.2 No 235
Product certifications	IEC[RETURN]CCC[RETURN]UR[RETURN]CSA

Complementary

[Ue] rated operational voltage	240 V AC 50/60 Hz 415 V AC 50/60 Hz 440 V AC 50/60 Hz
Magnetic tripping limit	8.5 x In +/- 20 % AC
[Ics] rated service breaking capacity	4.5 KA 75 % EN/IEC 60947-2 - 440 V AC 7.5 KA 75 % EN/IEC 60947-2 - 415 V AC 15 KA 75 % EN/IEC 60947-2 - 240 V AC 4.5 KA 75 % GB 14048.2 - 440 V AC 7.5 KA 75 % GB 14048.2 - 415 V AC 15 kA 75 % GB 14048.2 - 240 V AC
[Ui] rated insulation voltage	500 V AC EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kVEN/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)

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.

Depth	2.83 in (72 mm)
Color	Gray
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal top or bottom) 0.00…0.05 in² (1…35 mm²) AWG 18...AWG 2) - rigid Tunnel type terminal top or bottom) 0.00…0.04 in² (1…25 mm²) AWG 18...AWG 3) - flexible with ferrule Tunnel type terminal top or bottom) 0.00…0.04 in² (1…25 mm²) AWG 18...AWG 3) - flexible
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	Without

Environment

IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 EN/IEC 60947-2
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Operating altitude	0...6561.68 ft (0...2000 m)
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

Category	00948-M9 GEN 2 CB UL1077 / IEC
Discount Schedule	DE2
GTIN	3606481168603
Returnability	No
Country of origin	FR

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	17.46 oz (495.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	3.15 in (8.0 cm)
Package 2 Width	3.54 in (9.0 cm)
Package 2 Length	8.86 in (22.5 cm)
Package 2 Weight	3.38 lb(US) (1.531 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	41.58 lb(US) (18.859 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
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