Product datasheet

Specification





Miniature circuit breaker (MCB), Multi9 C60SP, 1P, 8A, B curve, 10kA (UL1077), 10kA (IEC/EN 60947-2)

M9F21108

Main

Main		
Range	Multi9	
Product Name	Multi9 C60	
Product Or Component Type	Miniature circuit-breaker	
Device Short Name	C60SP	
Device Application	Distribution	
Poles Description	1P	
Number Of Protected Poles	1	
[In] Rated Current	8 A at 25 °C conforming to EN/IEC 60947-2	
Network Type	AC DC	
Trip Unit Technology	Thermal-magnetic	
Curve Code	В	
Breaking Capacity	10 kA AIR at 277 V AC conforming to UL 1077 14 kA AIR at 240 V AC conforming to UL 1077 14 kA AIR at 120 V AC conforming to UL 1077 16 kA AIR at 65 V DC conforming to UL 1077 16 kA AIR at 277 V AC conforming to CSA C22.2 No 235 17 kA AIR at 240 V AC conforming to CSA C22.2 No 235 18 kA AIR at 120 V AC conforming to CSA C22.2 No 235 19 kA AIR at 65 V DC conforming to CSA C22.2 No 235 10 kA AIR at 65 V DC conforming to CSA C22.2 No 235 3 kA Icu at 415 V AC conforming to EN/IEC 60947-2 10 kA Icu at 240 V AC conforming to EN/IEC 60947-2 20 kA Icu at 60 V DC conforming to EN/IEC 60947-2 3 kA Icu at 240 V AC conforming to GB 14048.2 20 kA Icu at 60 V DC conforming to GB 14048.2	
Suitability For Isolation	Yes conforming to EN/IEC 60947-2	
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077 CSA C22.2 No 235	
Product Certifications	IEC CCC UR CSA	

Complementary

[Ue] Rated Operational Voltage	240 V AC 50/60 Hz 415 V AC 50/60 Hz 60 V DC
Magnetic Tripping Limit	4 x In +/- 20 % AC 5.7 x In +/- 20 % DC

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[Ics] Rated Service Breaking Capacity	2.25 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC	
араспу	7.5 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC	
	20 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC	
	2.25 kA 75 % conforming to GB 14048.2 - 415 V AC	
	7.5 kA 75 % conforming to GB 14048.2 - 240 V AC 20 kA 100 % conforming to GB 14048.2 - 60 V DC	
	20 KA 100 % CONDITITING to GB 14046.2 - 00 V DC	
Ui] Rated Insulation Voltage	500 V AC conforming to EN/IEC 60947-2	
Uimp] Rated Impulse Withstand /oltage	6 kV conforming to 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	2	
Height	81 mm	
Width	18 mm	
Depth	72 mm	
Colour	Grey	
Mechanical Durability	20000 cycles	
Electrical Durability	10000 cycles	
Provision For Padlocking	Padlockable	
Connections - Terminals	Tunnel type terminal (top or bottom)125 mm² (AWG 18AWG 8) - rigid	
	Tunnel type terminal (top or bottom)116 mm² (AWG 18AWG 8) - flexible with	
	ferrule	
	Tunnel type terminal (top or bottom)116 mm² (AWG 18AWG 8) - flexible	
Wire Stripping Length	14 mm for top or bottom connection	
Tightening Torque	2.5 N.m top or bottom	

Environment

Ip Degree Of Protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution Degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative Humidity	95 % at 55 °C
Operating Altitude	02000 m
Ambient Air Temperature For Operation	-3070 °C
Ambient Air Temperature For Storage	-4080 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	1.800 cm
Package 1 Length	8.500 cm

Package 1 Weight	111.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	8.000 cm
Package 2 Width	9.000 cm
Package 2 Length	22.000 cm
Package 2 Weight	1.377 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	144
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	17.143 kg



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations