

# M9F23120

## Multi 9 - C60SP - MCB - 1P - 20 A - D Curve - 277 V - 10 kA - UL 1077

Product availability : Stock - Normally stocked in distribution facility



### Main

Range	Multi 9
Product name	Multi 9 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	20 A at 77 °F (25 °C) conforming to EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	AIR 10 kA at 277 V AC conforming to UL 1077 AIR 14 kA at 240 V AC conforming to UL 1077 AIR 14 kA at 120 V AC conforming to UL 1077 AIR 10 kA at 65 V DC conforming to UL 1077 AIR 10 kA at 277 V AC conforming to CSA C22.2 No 235 AIR 14 kA at 240 V AC conforming to CSA C22.2 No 235 AIR 14 kA at 120 V AC conforming to CSA C22.2 No 235 AIR 10 kA at 65 V DC conforming to CSA C22.2 No 235 Icu 3 kA at 415 V AC conforming to EN/IEC 60947-2 Icu 10 kA at 240 V AC conforming to EN/IEC 60947-2 Icu 20 kA at 60 V DC conforming to EN/IEC 60947-2 Icu 3 kA at 415 V AC conforming to GB 14048.2 Icu 10 kA at 240 V AC conforming to GB 14048.2 Icu 20 kA at 60 V DC conforming to GB 14048.2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	UL 1077 GB 14048.2 EN/IEC 60947-2 CSA C22.2 No 235
Product certifications	CSA

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

## Complementary

System Voltage	240 V AC 50/60 Hz 415 V AC 50/60 Hz 60 V DC
Magnetic tripping limit	12 x In +/- 20% AC 17 x In +/- 20% DC
[Ics] rated service breaking capacity	2.25 kA 75 % x Icu at 415 V AC conforming to EN/IEC 60947-2 7.5 kA 75 % x Icu at 240 V AC conforming to EN/IEC 60947-2 20 kA 100 % x Icu at 60 V DC conforming to EN/IEC 60947-2 2.25 kA 75 % x Icu at 415 V AC conforming to GB 14048.2 7.5 kA 75 % x Icu at 240 V AC conforming to GB 14048.2 20 kA 100 % x Icu at 60 V DC conforming to GB 14048.2
[Ui] rated insulation voltage	500 V AC conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	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	3.19 in (81 mm)
Width	0.71 in (18 mm)
Depth	2.83 in (72 mm)
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal, top or bottom flexible with ferrule wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 8) Tunnel type terminal, top or bottom rigid wire(s) 0...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) max (AWG 18...AWG 8) Tunnel type terminal, top or bottom flexible wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 8)
Wire stripping length	0.55 in (14 mm) (top or bottom)
Tightening torque	22.12 lbf.in (2.5 N.m) (top or bottom)
Earth-leakage protection	Without

## Environment

IP degree of protection	IP40 modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to 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	00785901719045
Nbr. of units in pkg.	1
Package weight(Lbs)	0.25
Returnability	Y

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Country of origin	FR
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### Offer Sustainability

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Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1719 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

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