# **Product datasheet**

Specification





# Multi 9 - C60SP - MCB - 2P - 1 A - C Curve - 480Y/277 V - 10 kA - UL 1077

M9F22201

#### Main

Main		
Range	Multi9	
Product name	Multi9 C60	
Product or component type	Miniature circuit-breaker	
Device short name	C60SP	
Device application	Distribution	
poles description	2P	
Number of protected poles	2	
[In] rated current	1 A at 25 °C conforming to EN/IEC 60947-2	
network type	AC DC	
Trip unit technology	Thermal-magnetic	
Curve code	С	
Breaking capacity	14 kA AIR at 240 V AC conforming to UL 1077 14 kA AIR at 240 V AC conforming to CSA C22.2 No 235 10 kA AIR at 480Y/277 V AC conforming to UL 1077 10 kA AIR at 125 V DC conforming to UL 1077 10 kA AIR at 480Y/277 V AC conforming to CSA C22.2 No 235 10 kA AIR at 125 V DC conforming to CSA C22.2 No 235 6 kA Icu at 440 V AC conforming to EN/IEC 60947-2 10 kA Icu at 415 V AC conforming to EN/IEC 60947-2 20 kA Icu at 240 V AC conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC conforming to GB 14048.2 10 kA Icu at 415 V AC conforming to GB 14048.2 20 kA Icu at 240 V AC 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 440 V AC 50/60 Hz
Magnetic tripping limit	8.5 x ln +/- 20 % AC 12 x ln +/- 20 % DC

[lcs] rated service breaking	4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC
capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC
	15 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 4.5 kA 75 % conforming to GB 14048.2 - 440 V AC
	7.5 kA 75 % conforming to GB 14048.2 - 415 V AC
	15 kA 75 % conforming to GB 14048.2 - 240 V AC
[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	4
Height	81 mm
Width	36 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
	Turiner type terminal (top or bottom) 1 To mini (Avvo 16Avvo 8) - Hexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2.5 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 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	7.5 cm
Package 1 Width	3.6 cm
Package 1 Length	8.5 cm

Package 1 Weight	235.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	7.8 cm
Package 2 Width	8.7 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.45 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.891 kg



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance

	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes
	Halogen Free Product	

#### **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