

# Product datasheet

Specifications



## Multi9 - C60SP - MCB - 2P - 10 A - C Curve - 480Y/277 V - 10 kA - UL 1077

M9F22210

### 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	2P
Number of protected poles	2
[In] rated current	10 A at 25 °C conforming to EN/IEC 60947-2
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
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 In +/- 20 % AC 12 x In +/- 20 % DC

<b>[Ics] rated service breaking capacity</b>	4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 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
<b>[Ui] rated insulation voltage</b>	500 V AC conforming to EN/IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN/IEC 60947-2
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	ON/OFF indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	4
<b>Height</b>	81 mm
<b>Width</b>	36 mm
<b>Depth</b>	72 mm
<b>Colour</b>	Grey
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	10000 cycles
<b>Provision for padlocking</b>	Padlockable
<b>Connections - terminals</b>	Tunnel type terminal (top or bottom)1...25 mm <sup>2</sup> (AWG 18...AWG 8) - rigid Tunnel type terminal (top or bottom)1...16 mm <sup>2</sup> (AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal (top or bottom)1...16 mm <sup>2</sup> (AWG 18...AWG 8) - flexible
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2.5 N.m top or bottom
<b>Earth-leakage protection</b>	Without

## Environment

<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>Pollution degree</b>	3 conforming to EN/IEC 60947-2
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative humidity</b>	95 % at 55 °C
<b>Operating altitude</b>	0...2000 m
<b>Ambient air temperature for operation</b>	-30...70 °C
<b>Ambient air temperature for storage</b>	-40...80 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	223.0 g
<b>Package 1 Height</b>	3.6 cm
<b>Package 1 width</b>	7.5 cm
<b>Package 1 Length</b>	8.5 cm
<b>Unit Type of Package 2</b>	BB1

Number of Units in Package 2	6
Package 2 Weight	1.38 kg
Package 2 Height	7.6 cm
Package 2 width	8.8 cm
Package 2 Length	22.5 cm
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Weight	17.117 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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

## Contractual warranty

Warranty	18 months
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