

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Multi9 C60SP, 4P, 16A, D curve, 10kA (UL1077), 10kA (IEC/EN 60947-2)

M9F23416

### 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
[In] rated current	16 A at 25 °C conforming to EN/IEC 60947-2
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
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 480Y/277 V AC 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
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	12 x In +/- 20 % AC
[Ics] rated service breaking capacity	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
[Ui] rated insulation voltage	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>Suitability for isolation</b>	Yes 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>	8
<b>Height</b>	81 mm
<b>Width</b>	72 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 Height</b>	7.500 cm
<b>Package 1 Width</b>	7.200 cm
<b>Package 1 Length</b>	8.500 cm
<b>Package 1 Weight</b>	456.000 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	7.600 cm

<b>Package 2 Width</b>	9.000 cm
<b>Package 2 Length</b>	23.000 cm
<b>Package 2 Weight</b>	1.414 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	36
<b>Package 3 Height</b>	30.000 cm
<b>Package 3 Width</b>	30.000 cm
<b>Package 3 Length</b>	40.000 cm
<b>Package 3 Weight</b>	17.455 kg



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 47

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant

SCIP Number 40a4e715-7fff-45ff-88bf-38212f6a80a5

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

End of life manual availability No need of specific recycling operations

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins