



### 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	50 A at 25 °C conforming to EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	10 KA AIR at 65 V DC conforming to UL 1077 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 415 V AC conforming to GB 14048.2 10 KA Icu at 240 V AC conforming to GB 14048.2 20 KA Icu at 60 V DC conforming to GB 14048.2 5 KA AIR at 277 V AC conforming to UL 1077 10 KA AIR at 240 V AC conforming to UL 1077 10 KA AIR at 120 V AC conforming to UL 1077 5 KA AIR at 277 V AC conforming to CSA C22.2 No 235 10 KA AIR at 240 V AC conforming to CSA C22.2 No 235 10 KA AIR at 120 V AC conforming to CSA C22.2 No 235
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

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## 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 I <sub>n</sub> +/- 20 % AC 5.7 x I <sub>n</sub> +/- 20 % DC
[Ics] rated service breaking capacity	2.25 KA 75 % conforming to EN/IEC 60947-2 - 415 V AC 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
[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	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)1...35 mm <sup>2</sup> (AWG 18...AWG 2) - rigid Tunnel type terminal (top or bottom)1...25 mm <sup>2</sup> (AWG 18...AWG 3) - flexible with ferrule Tunnel type terminal (top or bottom)1...25 mm <sup>2</sup> (AWG 18...AWG 8) - flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 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	0...2000 m
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

## 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	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
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