Product datasheet

Specifications

Multi9 - C60SP - MCB - 4P - 45 A - C Curve - 480Y/277 V - 5 kA - UL 1077

M9F22445

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	45 A at 25 °C conforming to EN/IEC 60947-2
network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA AIR at 240 V AC conforming to UL 1077 10 kA AIR at 240 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 5 kA AIR at 480Y/277 V AC conforming to UL 1077 5 kA AIR at 480Y/277 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

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
[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

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

[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	8
Height	81 mm
Width	72 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 mm² (AWG 18...AWG 2) - rigid Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 3) - flexible with ferrule Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 3) - 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.62 cm
Package 1 Width	7.62 cm
Package 1 Length	8.64 cm
Package 1 Weight	0.5 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	22 cm

Package 2 Width	8 cm
Package 2 Length	9 cm
Package 2 Weight	1.56 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	19.207 kg

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency

RoHS/REACh

Well-being performance

Mercury Free	
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