Product data sheet

Specifications



Miniature circuit breaker (MCB), Multi9 C60SP, 2P, 20A, C curve, 10kA (UL1077), 10kA (IEC/EN 60947-2)

M9F22220

Product availability: Stock - Normally stocked in distribution facility

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
Line Rated Current	20 A 77 °F (25 °C) EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Standards	EN/IEC 60947-2 GB/T 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
Breaking capacity	14 kA AIR 240 V AC UL 1077 14 kA AIR 240 V AC CSA C22.2 No 235 10 kA AIR 480Y/277 V AC UL 1077 10 kA AIR 125 V DC UL 1077 10 kA AIR 480Y/277 V AC CSA C22.2 No 235 10 kA AIR 125 V DC CSA C22.2 No 235 6 kA Icu 440 V AC EN/IEC 60947-2 10 kA Icu 415 V AC EN/IEC 60947-2 20 kA Icu 240 V AC EN/IEC 60947-2 6 kA Icu 440 V AC GB/T 14048.2 10 kA Icu 415 V AC GB/T 14048.2 20 kA Icu 240 V AC GB/T 14048.2

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

[Ics] rated service breaking capacity	4.5 kA 75 % EN/IEC 60947-2 - 440 V AC 7.5 kA 75 % EN/IEC 60947-2 - 415 V AC 15 kA 75 % EN/IEC 60947-2 - 240 V AC 4.5 kA 75 % GB/T 14048.2 - 440 V AC 7.5 kA 75 % GB/T 14048.2 - 415 V AC 15 kA 75 % GB/T 14048.2 - 240 V AC
[Ui] rated insulation voltage	500 V AC EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kVEN/IEC 60947-2
Suitability for isolation	Yes 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	3.2 in (81 mm)
Width	1.4 in (36 mm)
Depth	2.8 in (72 mm)
color	Gray
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal top or bottom) 0.002…0.04 in² (1…25 mm²) 18 AWG...8 AWG) - rigid Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) 18 AWG...8 AWG) - flexible with ferrule Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) 18 AWG...8 AWG) - flexible
Wire stripping length	0.6 in (14 mm) for top or bottom connection
Tightening torque	22.1 lbf.in (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 EN/IEC 60947-2
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Operating altitude	0...6561.68 ft (0...2000 m)
Ambient air temperature for operation	-22…158 °F (-30…70 °C)
Ambient Air Temperature for Storage	-40…176 °F (-40…80 °C)

Ordering and shipping details

Category	US10DE200948
Discount Schedule	0DE2
GTIN	3606481168351

Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.953 in (7.500 cm)
Package 1 Width	1.417 in (3.600 cm)
Package 1 Length	3.346 in (8.500 cm)
Package weight(Lbs)	8.113 oz (230.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.071 in (7.800 cm)
Package 2 Width	3.543 in (9.000 cm)
Package 2 Length	8.858 in (22.500 cm)
Package 2 Weight	3.150 lb(US) (1.429 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	11.811 in (30.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	38.890 lb(US) (17.640 kg)

Contractual warranty

Warranty (in months)	18

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	**26 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**24 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.7 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**40a4e715-7fff-45ff-88bf-38212f6a80a5**
EU RoHS Directive	**Compliant**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and Nickel (Metallic), which are known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**
OECD PFAS Regulation	**Item contains PFAS Chemicals**
POP Directive	**No POPs**
Halogen content performance	**Halogen free plastic parts product**
PVC free	**Yes**
Silicon free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**56**

Circularity Profile	**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.**