Product data sheet

Specifications



Miniature circuit breaker (MCB), Multi9 C60BP, 2P, 20A, C curve, 10kA (UL489), 10kA (IEC/EN 60947-2)

M9F42220

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	C60BP
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
Breaking capacity	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 14 kA AIR 240 V AC UL 489 10 kA AIR 125 V DC UL 489 10 kA AIR 480Y/277 V AC UL 489 14 kA AIR 240 V AC CSA C22.2 No 5 10 kA AIR 480Y/277 V AC CSA C22.2 No 5 10 kA AIR 125 V DC CSA C22.2 No 5
Standards	EN/IEC 60947-2 GB/T 14048.2 UL 489 CSA C22.2 No 5
Product certifications	IEC CCC CSA UL

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

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	4.06 in (103 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) AWG 18...AWG 8) - rigid Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal top or bottom) 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 8) - 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	US10DE200949
Discount Schedule	0DE2
GTIN	3606481169761

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	4.055 in (10.300 cm)
Package weight(Lbs)	8.677 oz (246.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.268 in (8.300 cm)
Package 2 Width	4.252 in (10.800 cm)
Package 2 Length	8.661 in (22.000 cm)
Package 2 Weight	3.384 lb(US) (1.535 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	54
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	31.085 lb(US) (14.100 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: 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**
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.