Product data sheet
Characteristics

M9F42302
Miniature circuit breaker (MCB), Multi9 C60BP, 3P, 2A, C curve, 10kA (UL489), 10kA (IEC/EN 60947-2)

Main

Range	Multi9
Product name	Multi9 C60
Product or Component Type	Miniature circuit-breaker
Device short name	C60BP
Device Application	Distribution
Poles description	3P
Number of protected poles	3
Line Rated Current	2 A 77 °F (25 °C) EN/IEC 60947-2
Network type	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 14048.2 10 KA Icu 415 V AC GB 14048.2 20 KA Icu 240 V AC GB 14048.2 14 KA AIR 240 V AC 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
Suitability for isolation	Yes EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB 14048.2 UL 489 CSA C22.2 No 5
Product certifications	IEC[RETURN]CCC[RETURN]CSA[RETURN]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
[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 14048.2 - 440 V AC 7.5 KA 75 % GB 14048.2 - 415 V AC 15 kA 75 % GB 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
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting Mode	Clip-on
Mounting Support	DIN rail
9 mm pitches	6
Height	4.06 in (103 mm)
Width	2.13 in (54 mm)

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Depth	2.83 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) 0.00…0.04 in² (1…25 mm²) AWG 18...AWG 8) - rigid Tunnel type terminal top or bottom) 0.00…0.02 in² (1…16 mm²) AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal top or bottom) 0.00…0.02 in² (1…16 mm²) AWG 18...AWG 8) - flexible
Wire stripping length	0.55 in (14 mm) for top or bottom connection
Tightening torque	22.13 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	00949-M9 GEN 2 CB UL489
Discount Schedule	DE2
GTIN	3606481170019
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.13 in (5.4 cm)
Package 1 Width	2.95 in (7.5 cm)
Package 1 Length	4.06 in (10.3 cm)
Package 1 Weight	13.12 oz (372 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	3.27 in (8.3 cm)
Package 2 Width	4.25 in (10.8 cm)
Package 2 Length	8.66 in (22 cm)
Package 2 Weight	3.39 lb(US) (1.539 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	11.81 in (30 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	31.57 lb(US) (14.318 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Halogen content performance	Halogen free product