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Product data sheet
Characteristics

M9F42110
Multi 9 - C60BP - MCB - 1P - 10 A - C Curve - 277 V - 10 kA - UL 489



Main

Range	Multi 9
Product name	Multi 9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60BP
Device application	Distribution
Poles description	1P
Number of protected poles	1
Line Rated Current	10 A 77 °F (25 °C) EN/IEC 60947-2
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	3 KA Icu 415 V AC EN/IEC 60947-2 10 KA Icu 240 V AC EN/IEC 60947-2 20 KA Icu 60 V DC EN/IEC 60947-2 3 KA Icu 415 V AC GB 14048.2 10 KA Icu 240 V AC GB 14048.2 20 KA Icu 60 V DC GB 14048.2 10 KA AIR 277 V AC UL 489 14 KA AIR 240 V AC UL 489 14 KA AIR 120 V AC UL 489 10 KA AIR 60 V DC UL 489 10 KA AIR 277 V AC CSA C22.2 No 5 14 KA AIR 240 V AC CSA C22.2 No 5 14 KA AIR 120 V AC CSA C22.2 No 5 10 kA AIR 60 V DC 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 CCC CSA UL

Complementary

[Ue] rated operational voltage	240 V AC 50/60 Hz 415 V AC 50/60 Hz 60 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC 12 x In +/- 20 % DC
[Ics] rated service breaking capacity	2.25 KA 75 % EN/IEC 60947-2 - 415 V AC 7.5 KA 75 % EN/IEC 60947-2 - 240 V AC 2.25 KA 75 % GB 14048.2 - 415 V AC 7.5 KA 75 % GB 14048.2 - 240 V AC 15 KA 75 % GB 14048.2 - 60 V DC 15 kA 75 % EN/IEC 60947-2 - 60 V DC
[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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
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Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	4.06 in (103 mm)
Maximum Width	0.71 in (18 mm)
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	14 mm for top or bottom connection
Tightening torque	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 conforming to IEC 60068-1
Relative humidity	95 % at 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	00785901669043
Nbr. of units in pkg.	1
Package weight(Lbs)	0.26 lb(US) (0.12 kg)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.71 in (1.8 cm)
Package 1 width	2.83 in (7.2 cm)
Package 1 Length	4.06 in (10.3 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	3.27 lb(US) (1.484 kg)
Package 2 Height	4.33 in (11 cm)
Package 2 width	3.15 in (8 cm)
Package 2 Length	8.66 in (22 cm)
Unit Type of Package 3	S03
Number of Units in Package 3	108
Package 3 Weight	30.52 lb(US) (13.843 kg)
Package 3 Height	11.81 in (30 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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.
Halogen content performance	Halogen free product

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