

# Product data sheet

## Characteristics

# 60178

## Multi 9 - C60 UL489 - MCB - 3P - 13 A - C Curve - 240 V - 10 kA - tunnel term



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 356.00 USD



### Main

Range	Multi 9
Product name	Multi 9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60 UL489
Device application	Distribution
Poles description	3P
Number of protected poles	3
Line Rated Current	13 A 77 °F (25 °C)
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 10 KA AIR 240 V AC UL 489 10 KA AIR 240 V AC CSA C22.2 No 5.2
Suitability for isolation	Yes EN/IEC 60947-2

### Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	415 V AC 240 V AC 440 V AC
Magnetic tripping limit	8.5 x In +/- 20 % AC
Limitation class	3 EN/IEC 60947-2
[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
Maximum Height	4.21 In (107 mm)
Maximum Width	2.13 In (54 mm)
Maximum Depth	2.87 In (73 mm)
Net Weight	0.73 Lb(US) (0.33 kg)
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 in <sup>2</sup> (2.5...25 m- m <sup>2</sup> ) AWG 14...AWG 4) - rigid
Wire stripping length	0.55 In (14 mm) top or bottom
Tightening torque	22.13 Lbf.In (2.5 N.m) top or bottom

## Environment

Standards	GB 14048.2 EN/IEC 60947-2 UL 489 CSA C22.2 No 5
Product certifications	CSA CCC IEC UL
IP degree of protection	IP20(IEC 60529 IP40 modular enclosure)IEC 60529
Pollution degree	3 EN/IEC 60947-2
Overtoltage category	IV
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Operating altitude	6561.68 ft (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	00915 - C60N MINIATURE CIRCUIT BREAKER-UL489
Discount Schedule	DE2
GTIN	00785901410690
Nbr. of units in pkg.	1
Package weight(Lbs)	0.83 Lb(US) (0.38 kg)
Returnability	No
Country of origin	FR

## Packing Units

Package 1 Height	5.12 In (13.000 cm)
Package 1 width	2.95 In (7.501 cm)
Package 1 Length	2.28 In (5.799 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**

## 60178 may be replaced by any of the following products:



### M9F42315

Multi 9 - C60BP - MCB - 3P - 15 A - C Curve - 480Y/277 V - 10 kA - UL 489

Qty 1

Reason for Substitution: End of life | Substitution date: 01 Jan 2017 |



### M9F42315

Multi 9 - C60BP - MCB - 3P - 15 A - C Curve - 480Y/277 V - 10 kA - UL 489

Qty 1

Reason for Substitution: End of life | Substitution date: 01 Apr 2019 |



### M9F42315

Multi 9 - C60BP - MCB - 3P - 15 A - C Curve - 480Y/277 V - 10 kA - UL 489

Qty 1

Reason for Substitution: End of life | Substitution date: 04 Apr 2019 |



### M9F42315

Multi 9 - C60BP - MCB - 3P - 15 A - C Curve - 480Y/277 V - 10 kA - UL 489

Qty 1

Reason for Substitution: End of life | Substitution date: 29 Apr 2019 |