

# Product data sheet

## Characteristics

# M9U31250

Multi9 - C60H-DC - MCB - 2P - 50 A - D Curve -  
500 V DC - 10 kA

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

Price\*: 432.00 USD



### Main

Range	Multi 9
Product name	Multi 9 C60H-DC
Product or Component Type	Miniature circuit-breaker
Device short name	C60H-DC
Device Application	Distribution
Poles description	2P
Number of protected poles	2
Line Rated Current	50 A 77 °F (25 °C) EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	20 KA Icu 220 V DC EN/IEC 60947-2 10 KA Icu 440 V DC EN/IEC 60947-2 6 KA Icu 500 V DC EN/IEC 60947-2 5 KA AIR 12...500 V DC UL 1077 20 KA Icu 220 V DC GB 14048.2 10 KA Icu 440 V DC GB 14048.2 6 KA Icu 500 V DC GB 14048.2
Utilisation category	Category A EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077
Product certifications	IEC CCC UR

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## Complementary

[Ue] rated operational voltage	220 V DC 440 V DC 500 V DC
Magnetic tripping limit	10...14 x I <sub>n</sub> DC
[Ics] rated service breaking capacity	7.5 KA 75 % EN/IEC 60947-2 - 440 V DC 4.5 KA 75 % EN/IEC 60947-2 - 500 V DC 15 KA 75 % EN/IEC 60947-2 - 220 V DC 7.5 KA 75 % GB 14048.2 - 440 V DC 4.5 KA 75 % GB 14048.2 - 500 V DC 15 KA 75 % GB 14048.2 - 220 V DC
[Ui] rated insulation voltage	500 V DC EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 KV 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
Maximum Height	3.19 In (81 mm)
Maximum Width	1.42 In (36 mm)
Maximum Depth	2.87 In (73 mm)
Net Weight	0.28 Lb(US) (0.128 kg)
Color	Gray
Mechanical durability	20000 Cycles
Electrical durability	3000 Cycles 250 V DC L/R = 2 ms 6000 Cycles 250 V DC
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal top or bottom) 0.00...0.05 in <sup>2</sup> (1...35 m- m <sup>2</sup> ) AWG 18...AWG 2) - rigid stranded Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 m- m <sup>2</sup> ) AWG 18...AWG 4) - flexible Tunnel type terminal top or bottom) 0.00...0.04 in <sup>2</sup> (1...25 m- m <sup>2</sup> ) AWG 18...AWG 4) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...16 m- m <sup>2</sup> ) AWG 18...AWG 6) - rigid stranded Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...16 m- m <sup>2</sup> ) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) - 2 0.00...0.02 in <sup>2</sup> (1...16 m- m <sup>2</sup> ) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.01 in <sup>2</sup> (4 mm <sup>2</sup> ) AWG 6) - flexible stranded
Wire stripping length	0.55 In (14 mm) top or bottom
Tightening torque	30.98 Lbf.In (3.5 N.m) top or bottom
Earth-leakage protection	Without

## Environment

Heat dissipation	9.6 W 440 V - 50 A
IP degree of protection	IP20 IEC 60529 IP40 modular enclosure) IEC 60529
Pollution degree	3 EN/IEC 60947-2
Tropicalisation	2 IEC 60068-2 2 GB 14048.2
Relative humidity	95 % 131 °F (55 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)

### Ordering and shipping details

Category	00948 - M9 GEN 2 CB UL1077 / IEC
Discount Schedule	DE2
GTIN	03606480742132
Nbr. of units in pkg.	1
Package weight(Lbs)	8.61 Oz (244 g)
Returnability	No
Country of origin	CN

### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.35 In (8.5 cm)
Package 1 width	1.42 In (3.6 cm)
Package 1 Length	2.95 In (7.5 cm)

### Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Product Life Status : **Commercialised**