

# Product data sheet

## Characteristics

# M9U21150

Multi9 - C60H-DC - MCB - 1P - 50 A - C Curve - 250 V DC - 10 kA

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

Price\*: 212.00 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	1P
Number of protected poles	1
Line Rated Current	50 A 77 °F (25 °C) EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 KA Icu 220 V DC EN/IEC 60947-2 6 KA Icu 250 V DC EN/IEC 60947-2 20 KA Icu 110 V DC EN/IEC 60947-2 5 KA AIR 12...250 V DC UL 1077 10 KA Icu 220 V DC GB 14048.2 6 KA Icu 250 V DC GB 14048.2 20 KA Icu 110 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	250 V DC 110 V DC 220 V DC
Magnetic tripping limit	7...10 x I <sub>n</sub> DC
[Ics] rated service breaking capacity	7.5 KA 75 % EN/IEC 60947-2 - 220 V DC 4.5 KA 75 % EN/IEC 60947-2 - 250 V DC 15 KA 75 % EN/IEC 60947-2 - 110 V DC 7.5 KA 75 % GB 14048.2 - 220 V DC 4.5 KA 75 % GB 14048.2 - 250 V DC 15 KA 75 % GB 14048.2 - 110 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	2
Maximum Height	3.19 I <sub>n</sub> (81 mm)
Maximum Width	0.71 I <sub>n</sub> (18 mm)
Maximum Depth	2.87 I <sub>n</sub> (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 I <sub>n</sub> (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	4.8 W 220 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	03606480741708
Nbr. of units in pkg.	1
Package weight(Lbs)	4.30 Oz (122 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	0.71 In (1.8 cm)
Package 1 Length	2.83 In (7.2 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**