

# M9U21150

## Multi 9 - C60H-DC - MCB - 1P - 50 A - C Curve - 250 V DC - 10 kA

Product availability : Stock - Normally stocked in distribution facility



### 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
[In] rated current	50 A at 77 °F (25 °C) conforming to EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	Icu 10 kA at 220 V DC conforming to EN/IEC 60947-2 Icu 6 kA at 250 V DC conforming to EN/IEC 60947-2 Icu 20 kA at 110 V DC conforming to EN/IEC 60947-2 AIR 5 kA at 12...250 V DC conforming to UL 1077 Icu 10 kA at 220 V DC conforming to GB 14048.2 Icu 6 kA at 250 V DC conforming to GB 14048.2 Icu 20 kA at 110 V DC conforming to GB 14048.2
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	UL 1077 GB 14048.2 EN/IEC 60947-2
Product certifications	CCC IEC UR

### Complementary

System Voltage	110 V DC 220 V DC
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250 V DC

Magnetic tripping limit	7...10 x I <sub>n</sub> DC
[Ics] rated service breaking capacity	7.5 kA 75 % x I <sub>cu</sub> at 220 V DC conforming to EN/IEC 60947-2 4.5 kA 75 % x I <sub>cu</sub> at 250 V DC conforming to EN/IEC 60947-2 15 kA 75 % x I <sub>cu</sub> at 110 V DC conforming to EN/IEC 60947-2 7.5 kA 75 % x I <sub>cu</sub> at 220 V DC conforming to GB 14048.2 4.5 kA 75 % x I <sub>cu</sub> at 250 V DC conforming to GB 14048.2 15 kA 75 % x I <sub>cu</sub> at 110 V DC conforming to GB 14048.2
[Ui] rated insulation voltage	500 V 500 V EN/IEC 60947-2 conforming to EN/IEC 60947-2 conforming to EN/IEC 60947-2 conforming to EN/IEC 60947-2 conforming to EN/IEC 60947-2 conforming to EN/IEC 60947-2 DC DC DC conforming to EN/IEC 60947-2 EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to 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
Height	3.19 in (81 mm)
Width	0.71 in (18 mm)
Depth	2.87 in (73 mm)
Product weight	0.28 lb(US) (0.128 kg)
Colour	Grey
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 flexible wire(s) 0...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) max (AWG 18...AWG 4) Tunnel type terminal, top or bottom rigid stranded wire(s) 0...0.05 in <sup>2</sup> (1...35 mm <sup>2</sup> ) max (AWG 18...AWG 2) Tunnel type terminal, top or bottom flexible with ferrule wire(s) 0...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) max (AWG 18...AWG 4) Tunnel type terminal, top or bottom 2 rigid stranded wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 6) Tunnel type terminal, top or bottom 2 flexible wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 6) Tunnel type terminal, top or bottom 2 flexible with ferrule wire(s) 0...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) max (AWG 18...AWG 6) Tunnel type terminal, top or bottom 3 flexible stranded wire(s) 0.01 in <sup>2</sup> (4 mm <sup>2</sup> ) max (AWG 6)
Wire stripping length	0.55 in (14 mm) (top or bottom)
Tightening torque	30.97 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	IP40 modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-2 2 conforming to 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	00785901775706
Nbr. of units in pkg.	1

Package weight(Lbs)	0.27000000000000002
Returnability	Y
Country of origin	CN

### Offer Sustainability

Sustainable offer status	Not Green Premium product
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