



## Main

Range	Multi9
Product name	Multi9 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	1 A 77 °F (25 °C) EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
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 EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077
Product certifications	IEC[RETURN]CCC[RETURN]UR

## Complementary

[Ue] rated operational voltage	220 V DC 440 V DC 500 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 - 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 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	4
Height	3.2 in (81 mm)
Width	1.4 in (36 mm)
Depth	2.9 in (73 mm)

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Net Weight	0.564 lb(US) (0.256 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) 0.002...0.04 in <sup>2</sup> (1...25 mm <sup>2</sup> ) AWG 18...AWG 4) - rigid stranded Tunnel type terminal top or bottom) 0.002...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) 0.002...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> ) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.002...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - rigid stranded Tunnel type terminal top or bottom) - 2 0.002...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible Tunnel type terminal top or bottom) - 2 0.002...0.02 in <sup>2</sup> (1...10 mm <sup>2</sup> ) AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.002 in <sup>2</sup> (1 mm <sup>2</sup> ) AWG 18) - flexible stranded
Wire stripping length	0.6 in (14 mm) for top or bottom connection
Tightening torque	22.1 lbf.in (2.5 N.m) top or bottom
Earth-leakage protection	Without

## Environment

Heat dissipation	4.6 W 440 V - 1 A
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 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	US10DE200948
Discount Schedule	0DE2
GTIN	3606480741739
Returnability	Yes
Country of origin	SG

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.4 in (3.6 cm)
Package 1 Width	2.8 in (7.2 cm)
Package 1 Length	3.2 in (8.2 cm)
Package 1 Weight	7.8 oz (222 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.3 in (8.5 cm)
Package 2 Width	3.5 in (9.0 cm)
Package 2 Length	8.9 in (22.5 cm)
Package 2 Weight	3.078 lb(US) (1.396 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	11.8 in (30 cm)
Package 3 Width	11.8 in (30 cm)

Package 3 Length	15.7 in (40 cm)
Package 3 Weight	37.770 lb(US) (17.132 kg)

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations