

M9U31250

Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 50A, D curve, 5kA (UL1077), 6kA (IEC/EN 60947-2)



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	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 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	10...14 x In 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)

Net Weight	0.282 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) 0.002...0.05 in ² (1...35 mm ²) AWG 18...AWG 2) - rigid stranded Tunnel type terminal top or bottom) 0.002...0.04 in ² (1...25 mm ²) AWG 18...AWG 4) - flexible Tunnel type terminal top or bottom) 0.002...0.04 in ² (1...25 mm ²) AWG 18...AWG 4) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.002...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - rigid stranded Tunnel type terminal top or bottom) - 2 0.002...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) - 2 0.002...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.006 in ² (4 mm ²) AWG 6) - flexible stranded
Wire stripping length	0.6 in (14 mm) for top or bottom connection
Tightening torque	31.0 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 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	3606480742132
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.3 in (8.5 cm)
Package 1 Width	1.4 in (3.6 cm)
Package 1 Length	3.0 in (7.5 cm)
Package 1 Weight	8.6 oz (244.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.2 in (8.2 cm)
Package 2 Width	3.5 in (9.0 cm)
Package 2 Length	8.9 in (22.5 cm)
Package 2 Weight	3.349 lb(US) (1.519 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	11.8 in (30.0 cm)
Package 3 Width	11.8 in (30.0 cm)

Package 3 Length	15.7 in (40.0 cm)
Package 3 Weight	41.260 lb(US) (18.715 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.