

MGN61534

Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 30A, C 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	30 A 77 °F (25 °C)
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	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 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
Utilisation category	Category A EN/IEC 60947-2
Suitability for isolation	Yes EN/IEC 60947-2

Complementary

[Ue] rated operational voltage	12...500 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC
[Ics] rated service breaking capacity	4.5 KA 75 % GB 14048.2 - 500 V DC 7.5 KA 75 % GB 14048.2 - 440 V DC 15 KA 75 % GB 14048.2 - 220 V DC 15 KA 75 % EN/IEC 60947-2 - 220 V DC 7.5 KA 75 % EN/IEC 60947-2 - 440 V DC 4.5 kA 75 % EN/IEC 60947-2 - 500 V DC
Limitation class	3 EN/IEC 60947-2
[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
Comb busbar and distribution block compatibility	Top or bottom standard
9 mm pitches	4
Height	3.19 in (81 mm)
Width	1.42 in (36 mm)
Depth	2.87 in (73 mm)
Net Weight	0.56 lb(US) (0.256 kg)
Color	Gray
Mechanical durability	20000 cycles
Electrical durability	3000 cycles L/R = 2 ms

Provision for padlocking	Padlockable
Locking options description	In position O
Connections - terminals	Tunnel type terminal top or bottom) 0.00...0.05 in ² (1...35 mm ²) AWG 18...AWG 2) - rigid stranded Tunnel type terminal top or bottom) 0.00...0.04 in ² (1...25 mm ²) AWG 18...AWG 4) - flexible Tunnel type terminal top or bottom) 0.00...0.04 in ² (1...25 mm ²) AWG 18...AWG 4) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - rigid stranded Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) - 2 0.00...0.02 in ² (1...16 mm ²) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.01 in ² (4 mm ²) AWG 6) - flexible stranded
Wire stripping length	0.55 in (14 mm) for top or bottom connection
Tightening torque	30.98 lbf.in (3.5 N.m) top or bottom
Earth-leakage protection	Without

Environment

Standards	UL 1077 GB 14048.2 EN/IEC 60947-2
Product certifications	UR[RETURN]CCC[RETURN]IEC
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 IEC 60068-2 2 GB 14048.2
Relative humidity	95 % 131 °F (55 °C)
Operating altitude	6561.68 ft (2000 m)
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	00915-C60N MINIATURE CIRCUIT BREAKER-UL489
Discount Schedule	DE2
GTIN	3606480057045
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.00 in (7.62 cm)
Package 1 Width	1.50 in (3.81 cm)
Package 1 Length	3.40 in (8.64 cm)
Package 1 Weight	0.53 lb(US) (0.24 kg)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.15 in (8 cm)
Package 2 Width	3.54 in (9 cm)
Package 2 Length	8.86 in (22.5 cm)
Package 2 Weight	3.29 lb(US) (1.494 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	11.81 in (30 cm)
Package 3 Width	11.81 in (30 cm)

Package 3 Length	15.75 in (40 cm)
Package 3 Weight	41.26 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.

Contractual warranty

Warranty	18 months
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