Product data sheet

Specifications

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

M9U31250

Product availability: Stock - Normally stocked in distribution facility

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
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077
Product certifications	IEC CCC 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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Uimp] rated impulse withstand voltage	6 kVEN/IEC 60947-2
Suitability for isolation	Yes 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	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 in² (1…35 mm²) AWG 18...AWG 2) - rigid stranded Tunnel type terminal top or bottom) 0.002…0.04 in² (1…25 mm²) AWG 18...AWG 4) - flexible Tunnel type terminal top or bottom) 0.002…0.04 in² (1…25 mm²) AWG 18...AWG 4) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 6) - rigid stranded Tunnel type terminal top or bottom) - 2 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) - 2 0.002…0.02 in² (1…16 mm²) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.006 in² (4 mm²) 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

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	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	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 weight(Lbs)	8.6 oz (244 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 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 cm)
Package 3 Width	11.8 in (30 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	41.260 lb(US) (18.715 kg)

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	19
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

Recyclability potential, in %	53
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Image of product / Alternate images

Alternative