

Product data sheet

Specifications



Miniature circuit breaker (MCB),
Multi9 C60H-DC, 2P, 4A, D curve,
5kA (UL1077), 6kA (IEC/EN
60947-2)

M9U31204

! Discontinued

! Discontinued on: Jun 30, 2023

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
[In] rated current	4 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 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

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

[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)
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) 0.002...0.04 in² (1...25 mm²) AWG 18...AWG 4) - rigid stranded Tunnel type terminal top or bottom) 0.002...0.02 in² (1...16 mm²) AWG 18...AWG 6) - flexible Tunnel type terminal top or bottom) 0.002...0.02 in² (1...16 mm²) AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...10 mm²) AWG 18...AWG 8) - rigid stranded Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...10 mm²) AWG 18...AWG 8) - flexible Tunnel type terminal top or bottom) - 2 0.002...0.02 in² (1...10 mm²) AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal top or bottom) - 3 0.002 in² (1 mm²) 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	4.8 W 440 V - 4 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)

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	8.007 oz (227.0 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	3.102 lb(US) (1.407 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	38.30 lb(US) (17.371 kg)

Sustainability

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Well-being performance

	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration	Pro-active China RoHS declaration (out of China RoHS legal scope)
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	