Product datasheet





Miniature circuit breaker (MCB), Multi9 C60H-DC, 1P, 25A, C curve, 5kA (UL 1077), 6kA (IEC/ EN 60947-2)

M9U21125

(!) Discontinued on: 30 Jun 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	1P	
Number of protected poles	1	
[In] rated current	25 A at 25 °C conforming to EN/IEC 60947-2	
Network type	DC	
Trip unit technology Thermal-magnetic		
Curve code	С	
Breaking capacity	10 kA Icu at 220 V DC conforming to EN/IEC 60947-2 6 kA Icu at 250 V DC conforming to EN/IEC 60947-2 20 kA Icu at 110 V DC conforming to EN/IEC 60947-2 5 kA AIR at 12250 V DC conforming to UL 1077 10 kA Icu at 220 V DC conforming to GB 14048.2 6 kA Icu at 250 V DC conforming to GB 14048.2 20 kA Icu at 110 V DC conforming to GB 14048.2	
Utilisation category	Category A conforming to EN/IEC 60947-2	
Suitability for isolation	Yes conforming to EN/IEC 60947-2	
Standards	EN/IEC 60947-2 GB 14048.2 UL 1077	
Product certifications	IEC CCC UR	

Complementary

[Ue] rated operational voltage	250 V DC 110 V DC	
	220 V DC	
Magnetic tripping limit	710 x ln DC	
[lcs] rated service breaking capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 220 V DC 4.5 kA 75 % conforming to EN/IEC 60947-2 - 250 V DC 15 kA 75 % conforming to EN/IEC 60947-2 - 110 V DC 7.5 kA 75 % conforming to GB 14048.2 - 220 V DC 4.5 kA 75 % conforming to GB 14048.2 - 250 V DC 15 kA 75 % conforming to GB 14048.2 - 110 V DC	

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[Ui] rated insulation voltage	500 V DC conforming to EN/IEC 60947-2	
[Uimp] rated impulse withstand voltage	6 kV conforming to 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	2	
Height	81 mm	
Width	18 mm	
Depth	73 mm	
net weight	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	
	Tunnel type terminal (top or bottom)135 mm² (AWG 18AWG 2) - rigid stranded Tunnel type terminal (top or bottom)125 mm² (AWG 18AWG 4) - flexible Tunnel type terminal (top or bottom)125 mm² (AWG 18AWG 4) - flexible with ferrule Tunnel type terminal (top or bottom) - 2 cable(s) 116 mm² (AWG 18AWG 6) - rigid stranded Tunnel type terminal (top or bottom) - 2 cable(s) 116 mm² (AWG 18AWG 6) - flexible Tunnel type terminal (top or bottom) - 2 cable(s) 116 mm² (AWG 18AWG 6) - flexible with ferrule Tunnel type terminal (top or bottom) - 3 cable(s) 4 mm² (AWG 6) - flexible stranded	
Wire stripping length	14 mm for top or bottom connection	
Tightening torque	3.5 N.m top or bottom	
Earth-leakage protection	Without	
Environment		
Heat dissipation	3.1 W at 220 V - 25 A	
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529	
Pollution degree	3 conforming to EN/IEC 60947-2	
Tropicalisation	2 conforming to IEC 60068-2 2 conforming to GB 14048.2	
Relative humidity	95 % at 55 °C	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Packing Units		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	

8.5 cm

Package 1 Height

Package 1 Width	1.8 cm
Package 1 Length	7.9 cm
Package 1 Weight	116.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.2 cm
Package 2 Width	9.0 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.433 kg
Unit Type of Package 3	S03
Number of Units in Package 3	144
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.683 kg

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

②	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations