Product datasheet

Specifications

Green Premium™

Miniature circuit breaker (MCB), Multi9 C60H-DC, 1P, 10A, C curve, 5kA (UL 1077), 6kA (IEC/EN 60947-2)

M9U21110

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	10 A at 25 °C conforming to EN/IEC 60947-2
Network Type	DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
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 12...250 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	7...10 x In DC
[Ics] 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
[Ui] Rated Insulation Voltage	500 V DC conforming to EN/IEC 60947-2

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 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
Connections - Terminals	Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 4) - rigid stranded Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 6) - flexible Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - rigid stranded Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - flexible Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal (top or bottom) - 3 cable(s) 1 mm² (AWG 18) - flexible stranded
Wire Stripping Length	14 mm for top or bottom connection
Tightening Torque	2.5 N.m top or bottom
Earth-Leakage Protection	Without

Environment

Heat Dissipation	1.8 W at 220 V - 10 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	-25…70 °C
Ambient Air Temperature For Storage	-40…85 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	1.8 cm

Package 1 Length	7.2 cm
Package 1 Weight	110.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	9.0 cm
Package 2 Width	8.0 cm
Package 2 Length	23.0 cm
Package 2 Weight	1.369 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	16.915 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

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
Circularity Profile	No need of specific recycling operations