Product datasheet

Specifications

Green Premium™

Miniature circuit breaker (MCB), Multi9 C60H-DC, 1P, 16A, C curve, 5kA (UL 1077), 6kA (IEC/EN 60947-2)

M9U21116

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	16 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	2.5 W at 220 V - 16 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	2.0 cm
Package 1 Width	7.2 cm

Package 1 Length	8.2 cm
Package 1 Weight	113.0 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	1.406 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	17.227 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

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