# **Product datasheet**

Specifications





### Multi9 - C60H-DC - MCB - 2P - 50 A - B Curve - 500 V DC - 10 kA

M9U11250

#### Main

mann		
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	50 A at 25 °C conforming to EN/IEC 60947-2	
Network type	DC	
Trip unit technology	Thermal-magnetic	
Curve code	В	
Breaking capacity	20 kA Icu at 220 V DC conforming to EN/IEC 60947-2 10 kA Icu at 440 V DC conforming to EN/IEC 60947-2 6 kA Icu at 500 V DC conforming to EN/IEC 60947-2 5 kA AIR at 12500 V DC conforming to UL 1077 20 kA Icu at 220 V DC conforming to GB 14048.2 10 kA Icu at 440 V DC conforming to GB 14048.2 6 kA Icu at 500 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	220 V DC 440 V DC 500 V DC	
Magnetic tripping limit	37 x ln DC	
[Ics] rated service breaking capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V DC 4.5 kA 75 % conforming to EN/IEC 60947-2 - 500 V DC 15 kA 75 % conforming to EN/IEC 60947-2 - 220 V DC 7.5 kA 75 % conforming to GB 14048.2 - 440 V DC 4.5 kA 75 % conforming to GB 14048.2 - 500 V DC 15 kA 75 % conforming to GB 14048.2 - 220 V DC	
[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	4	
Height	81 mm	
Width	36 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)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 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	9.6 W at 440 V - 50 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
Package 1 Height	7.62 cm
Package 1 Width	3.56 cm

Package 1 Length	8.64 cm
Package 1 Weight	0.24 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.2 cm
Package 2 Width	9 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.519 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	18.715 kg

### Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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