

Product data sheet

Specifications



Miniature circuit breaker (MCB),
Multi9 C60H-DC, 2P, 20A, D curve,
5kA (UL1077), 6kA (IEC/EN
60947-2)

M9U31220

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	20 A at 25 °C conforming to EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	D
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 12...500 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
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 % 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

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

Suitability for isolation	Yes 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
Product 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

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	3.6 cm
Package 1 Length	7.5 cm

Package 1 Weight	227.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.2 cm
Package 2 Width	9.0 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.41 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.407 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Total lifecycle Carbon footprint	12
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

