

# Product datasheet

Specifications



## Multi9 - C60H-DC - MCB - 1P - 8 A - C Curve - 250 V - 6 kA

MGN61830

⚠ Discontinued on: Jan 23, 2021

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### 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	8 A at 50 °C conforming to EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu at 110 V DC conforming to EN/IEC 60947-2 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
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
Product certifications	IEC

### Complementary

[Ue] rated operational voltage	250 V DC 110 V DC 220 V DC
Magnetic tripping limit	8.5 x In +/- 20 % DC
[Ics] rated service breaking capacity	15 kA 75 % conforming to EN/IEC 60947-2 - 110 V DC 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
[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

<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	2
<b>Height</b>	81 mm
<b>Width</b>	18 mm
<b>Depth</b>	73 mm
<b>Product weight</b>	0.142 kg
<b>Colour</b>	Grey
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	3000 cycles L/R = 2 ms
<b>Provision for padlocking</b>	Padlockable
<b>Connections - terminals</b>	<p>Tunnel type terminal (top or bottom) 1...25 mm<sup>2</sup> (AWG 18...AWG 4) - rigid stranded</p> <p>Tunnel type terminal (top or bottom) 1...16 mm<sup>2</sup> (AWG 18...AWG 6) - flexible</p> <p>Tunnel type terminal (top or bottom) 1...16 mm<sup>2</sup> (AWG 18...AWG 6) - flexible with ferrule</p> <p>Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm<sup>2</sup> (AWG 18...AWG 8) - rigid stranded</p> <p>Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm<sup>2</sup> (AWG 18...AWG 8) - flexible</p> <p>Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm<sup>2</sup> (AWG 18...AWG 8) - flexible with ferrule</p> <p>Tunnel type terminal (top or bottom) - 3 cable(s) 1 mm<sup>2</sup> (AWG 18) - flexible stranded</p>
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2.5 N.m top or bottom
<b>Earth-leakage protection</b>	Without

## Environment

<b>IP degree of protection</b>	<p>IP20 conforming to IEC 60529</p> <p>IP40 (modular enclosure) conforming to IEC 60529</p>
<b>Pollution degree</b>	3 conforming to EN 60947-2
<b>Tropicalisation</b>	2 conforming to IEC 60068-2
<b>Relative humidity</b>	95 % at 55 °C
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.1 cm
<b>Package 1 Width</b>	1.8 cm
<b>Package 1 Length</b>	8.5 cm
<b>Package 1 Weight</b>	123 g



## 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 >](#)

### Use Better



#### Materials and Substances

EU RoHS Directive

[Compliant](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins