

# Product datasheet

Specifications



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

M9U21205NU

⚠ Discontinued on: 12 Jan 2023

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### Main

Device application	Nuclear
Range	Multi9
Product name	C60
Product or component type	Miniature circuit-breaker
Poles description	2P
Number of protected poles	2
[In] rated current	5 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu at 220 V DC conforming to EN/IEC 60947-2 20 kA Icu at 250 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
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes

### Complementary

[Ue] rated operational voltage	220 V DC 250 V DC 440 V DC 500 V DC
Magnetic tripping limit	8.3 x In +/- 20 %
[Ics] rated service breaking capacity	15 kA 75 % conforming to EN/IEC 60947-2 - 220 V DC 15 kA 75 % conforming to EN/IEC 60947-2 - 250 V DC 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
[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	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	YES

<b>9 mm pitches</b>	4
<b>Height</b>	81 mm
<b>Width</b>	36 mm
<b>Depth</b>	73 mm
<b>Net weight</b>	284 g
<b>Colour</b>	Grey
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	3000 cycles L/R = 2 ms 6000 cycles
<b>Earth-leakage protection</b>	Without
<b>Locking options description</b>	Padlocking device
<b>Connections - terminals</b>	Tunnel type terminals (top or bottom) 1...25 mm <sup>2</sup> rigid stranded Tunnel type terminals (top or bottom) 1...16 mm <sup>2</sup> flexible Tunnel type terminals (top or bottom) 1...16 mm <sup>2</sup>
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2.5 N.m top or bottom

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Product certifications</b>	CE
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Pollution degree</b>	3 conforming to EN/IEC 60947-2
<b>Overvoltage category</b>	IV
<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>	7.5 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	3.6 cm
<b>Package 1 Weight</b>	240 g

## Contractual warranty

<b>Warranty (in months)</b>	18
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## 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	18 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	16 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	53
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