

Product datasheet

Specifications



Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 0.5A, C curve, 6kA (IEC/EN 60947-2)

M9U21270NU

⚠ Discontinued on: 12 Jan 2023

⚠ Discontinued

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	0.5 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

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

Environment

Standards	EN/IEC 60947-2
Product certifications	CE
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-2
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	7.5 cm
Package 1 Width	8.5 cm
Package 1 Length	3.6 cm
Package 1 Weight	240 g

Contractual warranty

Warranty (in months)	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	14 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
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]	12 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
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

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