

Product datasheet

Specifications



Multi9 - C60N - MCB - 3P - 20 A - D Curve - 415 V - 10 kA

M9F12320

EAN Code: 3606480576874

Main

Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60N
Device application	Distribution
Poles description	3P
Number of protected poles	3
[In] rated current	20 A at 50 °C conforming to EN/IEC 60947-2
Network type	AC DC
Network frequency	50/60 Hz
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	20 kA Icu at 240 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 10 kA Icu at 415 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 30 kA Icu at <= 180 V DC 50/60 Hz between phases conforming to EN/IEC 60947-2 20 kA Icu at 240 V AC 50/60 Hz between phases conforming to GB/T 14048.2 10 kA Icu at 415 V AC 50/60 Hz between phases conforming to GB/T 14048.2 6 kA Icu at 440 V AC 50/60 Hz between phases conforming to GB/T 14048.2 30 kA Icu at <= 180 V DC conforming to GB/T 14048.2
Utilisation category	Category A conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB/T 14048.2
Product certifications	EAC KC CCC

Complementary

[Ue] rated operational voltage	240 V AC 50/60 Hz between phases 415 V AC 50/60 Hz between phases 440 V AC 50/60 Hz between phases <= 125 V DC
Magnetic tripping limit	12 x In +/- 20 % AC 17 x In +/- 20 % DC

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

[Ics] rated service breaking capacity	16 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 30 kA 100 % conforming to EN/IEC 60947-2 - <= 180 V DC 16 kA 75 % conforming to GB/T 14048.2 - 240 V AC 50/60 Hz 7.5 kA 75 % conforming to GB/T 14048.2 - 415 V AC 50/60 Hz 4.5 kA 75 % conforming to GB/T 14048.2 - 440 V AC 50/60 Hz 30 kA 100 % conforming to GB/T 14048.2 - <= 180 V DC
Limitation class	3
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
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	6
Height	81 mm
Width	54 mm
Depth	72 mm
Product weight	0.36 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)1...25 mm² - rigid Tunnel type terminal (top or bottom)1...25 mm² - flexible Tunnel type terminal (top or bottom)1...25 mm² - flexible with ferrule
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Separate block

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
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	5.500 cm
Package 1 Width	7.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	319.800 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.000 cm
Package 2 Width	9.000 cm
Package 2 Length	22.000 cm
Package 2 Weight	1.317 kg
Unit Type of Package 3	S03
Number of Units in Package 3	48
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	16.205 kg

Logistical informations

Country of origin	BG
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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	39 kg CO2 eq.
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]	36 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	40a4e715-7fff-45ff-88bf-38212f6a80a5
EU RoHS Directive	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No

Use Again



Repack and remanufacture

Recyclability potential, in %	56
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

