Product datasheet

Specifications



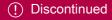


Multi9 - C60N - MCB - 1P - 20 A - D Curve - 240 V - 10 kA

M9F12120

① Discontinued on: 07 August 2023

EAN Code: 3606480576652



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Range	Multi9	
Product name	Multi9 C60	
Product or component type	Miniature circuit-breaker	
Device short name	C60N	
Device application	Distribution	
Poles description	1P	
Number of protected poles	1	
[In] rated current	20 A at 50 °C conforming to EN/IEC 60947-2	
Network type	DC AC	
Trip unit technology	Thermal-magnetic	
Curve code	D	
Breaking capacity	15 kA Icu at <= 72 V DC conforming to EN/IEC 60947-2 10 kA Icu at 240 V AC 50/60 Hz between phase and neutral conforming to EN/IEC 60947-2 3 kA Icu at 415 V AC 50/60 Hz between phase and neutral 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	EAC KC CCC	

Complementary

Network frequency	50/60 Hz	
[Ue] rated operational voltage	240 V AC 50/60 Hz between phase and neutral 415 V AC 50/60 Hz between phase and neutral <= 72 V DC	
Magnetic tripping limit	12 x ln +/- 20 % AC 17 x ln +/- 20 % DC	
[Ics] rated service breaking capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 2.25 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - <= 72 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
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	72 mm
Net weight	0.12 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)125 mm² - rigid Tunnel type terminal (top or bottom)125 mm² - flexible Tunnel type terminal (top or bottom)125 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	
Heat dissipation	3 W at 240 V - 20 A
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	-3070 °C
Ambient air temperature for storage	-4080 °C
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	7.5 cm
Package 1 Length Package 1 Weight	8.5 cm

BB1

12

8.0 cm

Unit Type of Package 2

Package 2 Height

Number of Units in Package 2

Package 2 Width	8.7 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.304 kg
Unit Type of Package 3	S03
Number of Units in Package 3	144
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.135 kg

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
EU RoHS Directive	Compliant EU RoHS Declaration	
Mercury free	Yes	
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information	
RoHS exemption information	Yes	
Environmental Disclosure	Product Environmental Profile	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
Halogen content performance	Halogen free product	

Contractual warranty

Warranty 18 months

Recommended replacement(s)