# **Product datasheet**

Specification





Multi 9 - C60BP - MCB - 3P - 6 A - C Curve - 480Y/277 V - 10 kA - UL 489

M9F42306

### Main

mann	
Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60BP
Device application	Distribution
poles description	3P
Number of protected poles	3
[In] rated current	6 A at 25 °C conforming to EN/IEC 60947-2
network type AC	
Trip unit technology	Thermal-magnetic
Curve code	С
Breaking capacity	6 kA Icu at 440 V AC conforming to EN/IEC 60947-2 10 kA Icu at 415 V AC conforming to EN/IEC 60947-2 20 kA Icu at 240 V AC conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC conforming to GB 14048.2 10 kA Icu at 415 V AC conforming to GB 14048.2 20 kA Icu at 240 V AC conforming to GB 14048.2 14 kA AIR at 240 V AC conforming to UL 489 10 kA AIR at 480Y/277 V AC conforming to UL 489 14 kA AIR at 240 V AC conforming to CSA C22.2 No 5 10 kA AIR at 480Y/277 V AC conforming to CSA C22.2 No 5
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB 14048.2 UL 489 CSA C22.2 No 5
Product certifications	IEC CCC CSA UL

## Complementary

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[Ue] rated operational voltage	240 V AC 50/60 Hz 415 V AC 50/60 Hz 440 V AC 50/60 Hz	
Magnetic tripping limit	8.5 x In +/- 20 % AC	
[Ics] rated service breaking capacity	4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 7.5 kA 75 % conforming to EN/IEC 60947-2 - 415 V AC 15 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 4 5 kA 75 % conforming to GB 14048 2 - 440 V AC	

7.5 kA 75 % conforming to GB 14048.2 - 415 V AC 15 kA 75 % conforming to GB 14048.2 - 240 V AC

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[Ui] rated insulation voltage	500 V AC 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	6	
Height	103 mm	
Width	54 mm	
Depth	72 mm	
Colour	Grey	
Mechanical durability	20000 cycles	
Electrical durability	10000 cycles	
Provision for padlocking	Padlockable	
Connections - terminals	Tunnel type terminal (top or bottom)125 mm² (AWG 18AWG 8) - rigid Tunnel type terminal (top or bottom)116 mm² (AWG 18AWG 8) - flexible with ferrule Tunnel type terminal (top or bottom)116 mm² (AWG 18AWG 8) - flexible	
Wire stripping length	14 mm for top or bottom connection	
Tightening torque	2.5 N.m top or bottom	
Earth-leakage protection	Without	

## **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
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	02000 m
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	7.5 cm
Package 1 Width	5.4 cm
Package 1 Length	10.3 cm
Package 1 Weight	363 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.3 cm

Package 2 Width	10.8 cm
Package 2 Length	22 cm
Package 2 Weight	1.503 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	13.994 kg



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Transparency RoHS/REACh

### Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Halogen Free Product	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
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
Circularity Profile	No need of specific recycling operations

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