

# M9C02301

Miniature circuit breaker (MCB), Multi9  
C60CTRL, 1P, 1A, Z curve, 100kA (IEC/EN  
60947-2)



## Main

Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60CTRL
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	1 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	Z
Breaking capacity	100 kA Icu at 240 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 60 V DC 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	CE

## Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz between phase and neutral 60 V DC
Magnetic tripping limit	3 x In +/- 20 % AC 4.2 x In +/- 20 % DC
[Ics] rated service breaking capacity	50 kA 50 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 25 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC
[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)1...25 mm <sup>2</sup> - rigid Tunnel type terminal (top or bottom)1...25 mm <sup>2</sup> - flexible Tunnel type terminal (top or bottom)1...25 mm <sup>2</sup> - 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
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	7.5 cm
Package 1 Width	1.8 cm
Package 1 Length	8.5 cm
Package 1 Weight	111.851 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	7.8 cm
Package 2 Width	8.7 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.389 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	17.109 kg