

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
Line Rated Current	1 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	Z
Breaking capacity	100 kA Icu 240 V AC 50/60 Hz EN/IEC 60947-2 25 kA Icu 60 V DC EN/IEC 60947-2
Utilisation category	Category A EN/IEC 60947-2
Suitability for isolation	Yes 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 % EN/IEC 60947-2 - 240 V AC 50/60 Hz 25 kA 100 % EN/IEC 60947-2 - 60 V DC
[Ui] rated insulation voltage	500 V AC 50/60 Hz EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV 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	3.19 in (81 mm)
Width	0.71 in (18 mm)
Depth	2.83 in (72 mm)
Net Weight	0.26 lb(US) (0.12 kg)
Color	Gray
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal top or bottom) 0.00...0.04 in ² (1...25 mm ²) - rigid Tunnel type terminal top or bottom) 0.00...0.04 in ² (1...25 mm ²) - flexible Tunnel type terminal top or bottom) 0.00...0.04 in ² (1...25 mm ²) - flexible with ferrule

Wire stripping length	0.55 in (14 mm) for top or bottom connection
Tightening torque	17.70 lbf.in (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 EN/IEC 60947-2
Tropicalisation	2 IEC 60068-1
Relative humidity	95 % 131 °F (55 °C)
Ambient air temperature for operation	-22...158 °F (-30...70 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)

Ordering and shipping details

GTIN	3606480631443
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.95 in (7.5 cm)
Package 1 Width	0.71 in (1.8 cm)
Package 1 Length	3.35 in (8.5 cm)
Package 1 Weight	3.95 oz (111.851 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	3.07 in (7.8 cm)
Package 2 Width	3.43 in (8.7 cm)
Package 2 Length	8.86 in (22.5 cm)
Package 2 Weight	3.06 lb(US) (1.389 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	144
Package 3 Height	11.81 in (30.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	37.72 lb(US) (17.109 kg)