

Product data sheet

Specifications



Miniature circuit breaker (MCB), Multi9 C60H, 4P, 1A, C curve, 15kA (IEC/EN 60947-2)

M9F14401

Main

Range	Multi 9
Product name	Multi 9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60H
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	1 A at 50 °C conforming to EN/IEC 60947-2
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	50 kA Icu at <= 250 V DC conforming to EN/IEC 60947-2 30 kA Icu at 240 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 15 kA Icu at 415 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 10 kA Icu at 440 V AC 50/60 Hz between phases 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 CCC

Complementary

Network frequency	50/60 Hz
[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 <= 250 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC 12 x In +/- 20 % DC
[Ics] rated service breaking capacity	15 kA 50 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 7.5 kA 50 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - <= 250 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	8
Height	81 mm
Width	72 mm
Depth	72 mm
Product weight	0.48 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

Heat dissipation	9.2 W at 415 V - 1 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	-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	7.2 cm
Package 1 Width	7.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	432.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.0 cm

Package 2 Width	9.0 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.37 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.153 kg

Recommended replacement(s)