Product data sheet
Characteristics

M9F42230
Miniature circuit breaker (MCB), Multi9 C60BP, 2P, 30A, C curve, 10kA (UL489), 10kA (IEC/EN 60947-2)



Main

Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60BP
Device application	Distribution
Poles description	2P
Number of protected poles	2
[In] rated current	30 A at 25 °C conforming to EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
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 125 V DC 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 10 KA AIR at 125 V DC 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

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Complementary

[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 12 x In +/- 20 % DC
[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
[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	4
Height	103 Mm
Width	36 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)1…35 mm² (AWG 18...AWG 2) - rigid Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 3) - flexible with-ferrule Tunnel type terminal (top or bottom)1…25 mm² (AWG 18...AWG 3) - flexible
Wire stripping length	14 Mm for top or bottom connection
Tightening torque	3.5 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	0...2000 m
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	3.600 Cm
Package 1 Width	7.200 Cm
Package 1 Length	10.300 Cm
Package 1 Weight	265.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.200 Cm
Package 2 Width	11.000 Cm
Package 2 Length	22.000 Cm
Package 2 Weight	1.640 Kg

Unit Type of Package 3	S03
Number of Units in Package 3	54
Package 3 Height	30.000 Cm
Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	15.382 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
RoHS exemption information	Yes
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

Product Life Status : Commercialised