

Product data sheet

Characteristics

MGN61508

Multi9 - C60H-DC - MCB - 1P - 10 A - C Curve
- 250 V - 5 kA



Main

Range	Multi9
Product name	Multi9 C60H-DC
Product or component type	Miniature circuit-breaker
Device short name	C60H-DC
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	10 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 KA Icu at 220 V DC conforming to GB 14048.2 6 KA Icu at 250 V DC conforming to GB 14048.2 20 KA Icu at 110 V DC conforming to GB 14048.2 20 KA Icu at 110 V DC conforming to EN/IEC 60947-2 10 KA Icu at 220 V DC conforming to EN/IEC 60947-2 6 KA Icu at 250 V DC conforming to EN/IEC 60947-2 5 kA AIR at 12...250 V DC conforming to UL 1077
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Complementary

[Ue] rated operational voltage	12...250 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC
[Ics] rated service breaking capacity	15 KA 75 % conforming to GB 14048.2 - 110 V DC 15 KA 75 % conforming to EN/IEC 60947-2 - 110 V DC 7.5 KA 75 % conforming to EN/IEC 60947-2 - 250 V DC 4.5 KA 75 % conforming to EN/IEC 60947-2 - 220 V DC 7.5 KA 75 % conforming to GB 14048.2 - 250 V DC 4.5 kA 75 % conforming to GB 14048.2 - 220 V DC
Limitation class	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V DC 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
Comb busbar and distribution block compatibility	Top or bottom: standard
9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	73 mm
Net weight	0.128 kg

Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	3000 cycles L/R = 2 ms
Provision for padlocking	Padlockable
Locking options description	In position O
Connections - terminals	Tunnel type terminal (top or bottom) 1...25 mm ² (AWG 18...AWG 4) - rigid stranded Tunnel type terminal (top or bottom) 1...16 mm ² (AWG 18...AWG 6) - flexible Tunnel type terminal (top or bottom) 1...16 mm ² (AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm ² (AWG 18...AWG 8) - rigid stranded Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm ² (AWG 18...AWG 8) - flexible Tunnel type terminal (top or bottom) - 2 cable(s) 1...10 mm ² (AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal (top or bottom) - 3 cable(s) 1 mm ² (AWG 18) - flexible stranded
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2.5 N.m top or bottom
Earth-leakage protection	Without

Environment

Standards	UL 1077 GB 14048.2 EN/IEC 60947-2
Product certifications	UR[RETURN]CCC[RETURN]IEC
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 60068-2 2 conforming to GB 14048.2
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.6 cm
Package 1 Width	1.8 cm
Package 1 Length	8.5 cm
Package 1 Weight	112 g

Contractual warranty

Warranty	18 months
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