

Product data sheet

Specifications



Multi9 - C60H-DC - MCB - 2P - 40 A - C Curve - 500 V - 5 kA

MGN61537

⚠ Discontinued on: Jun 30, 2021

⚠ Discontinued

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	2P
Number Of Protected Poles	2
[In] Rated Current	40 A at 25 °C
Network Type	DC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	20 kA Icu at 220 V DC conforming to GB 14048.2 10 kA Icu at 440 V DC conforming to GB 14048.2 6 kA Icu at 500 V DC conforming to GB 14048.2 20 kA Icu at 220 V DC conforming to EN/IEC 60947-2 10 kA Icu at 440 V DC conforming to EN/IEC 60947-2 6 kA Icu at 500 V DC conforming to EN/IEC 60947-2 5 kA AIR at 12...500 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...500 V DC
Magnetic Tripping Limit	8.5 x In +/- 20 % AC
[Ics] Rated Service Breaking Capacity	4.5 kA 75 % conforming to GB 14048.2 - 500 V DC 7.5 kA 75 % conforming to GB 14048.2 - 440 V DC 15 kA 75 % conforming to GB 14048.2 - 220 V DC 15 kA 75 % conforming to EN/IEC 60947-2 - 220 V DC 7.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V DC 4.5 kA 75 % conforming to EN/IEC 60947-2 - 500 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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	4
Height	81 mm
Width	36 mm
Depth	73 mm
Net Weight	0.256 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...35 mm² (AWG 18...AWG 2) - rigid stranded Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 4) - flexible Tunnel type terminal (top or bottom)1...25 mm² (AWG 18...AWG 4) - flexible with ferrule Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - rigid stranded Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - flexible Tunnel type terminal (top or bottom) - 2 cable(s) 1...16 mm² (AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal (top or bottom) - 3 cable(s) 4 mm² (AWG 6) - flexible stranded
Wire Stripping Length	14 mm for top or bottom connection
Tightening Torque	3.5 N.m top or bottom
Earth-Leakage Protection	Without

Environment

Standards	UL 1077 GB 14048.2 EN/IEC 60947-2
Product Certifications	UR CCC 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	7.1 cm
Package 1 Width	3.6 cm
Package 1 Length	8.5 cm
Package 1 Weight	247 g

Contractual warranty

Warranty	18 months
----------	-----------