Product data sheet
Characteristics

M9U21201
Multi 9 - C60H-DC - MCB - 2P - 1 A - C Curve - 500 V DC - 10 kA

Main

Range of product	Multi 9
Range	Multi 9
Product name	Multi 9 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	1 A at 25 °C conforming to EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity code	H
Breaking capacity	Icu 20 kA at 220 V DC conforming to EN/IEC 60947-2 Icu 10 kA at 440 V DC conforming to EN/IEC 60947-2 Icu 6 kA at 500 V DC conforming to EN/IEC 60947-2 AIR 5 kA at 12...500 V DC conforming to UL 1077 Icu 20 kA at 220 V DC conforming to GB 14048.2 Icu 10 kA at 440 V DC conforming to GB 14048.2 Icu 6 kA at 500 V DC conforming to GB 14048.2
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	UL 1077 GB 14048.2 EN/IEC 60947-2
Product certifications	CCC IEC UR

Complementary

[Ue] rated operational voltage	220 V DC 440 V DC 500 V DC
Magnetic tripping limit	7...10 x In DC
[Ics] rated service breaking capacity	7.5 kA 75 % x Icu at 440 V DC conforming to EN/IEC 60947-2

	4.5 kA 75 % x Icu at 500 V DC conforming to EN/IEC 60947-2 15 kA 75 % x Icu at 220 V DC conforming to EN/IEC 60947-2 7.5 kA 75 % x Icu at 440 V DC conforming to GB 14048.2 4.5 kA 75 % x Icu at 500 V DC conforming to GB 14048.2 15 kA 75 % x Icu at 220 V DC conforming to GB 14048.2
[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
Connection pitch	18 mm Between phases
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	73 mm
Product weight	0.256 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	3000 cycles 250 V DC L/R = 2 ms 6000 cycles 250 V DC
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal, top or bottom rigid stranded wire(s) 1...25 mm² max (AWG 18...AWG 4) Tunnel type terminal, top or bottom flexible wire(s) 1...16 mm² max (AWG 18...AWG 6) Tunnel type terminal, top or bottom flexible with ferrule wire(s) 1...16 mm² max (AWG 18...AWG 6) Tunnel type terminal, top or bottom for 2 rigid stranded wire(s) 1...10 mm² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 2 flexible wire(s) 1...10 mm² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 2 flexible with ferrule wire(s) 1...10 mm² max (AWG 18...AWG 8) Tunnel type terminal, top or bottom for 3 flexible stranded wire(s) 1 mm² max (AWG 18)
Wire stripping length	14 mm (top or bottom)
Tightening torque	2.5 N.m (top or bottom)
Earth-leakage protection	Without

Environment

Heat dissipation	4.6 W 440 V 1 A
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-2 2 conforming to GB 14048.2
Relative humidity	95 % (55 °C)
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C