Product data sheet
Characteristics

M9U21202
Miniature circuit breaker (MCB), Multi9 C60H-DC, 2P, 2A, C curve, 5kA (UL1077), 6kA (IEC/EN 60947-2)



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	2 A at 25 °C conforming to EN/IEC 60947-2
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	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 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
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 GB 14048.2 UL 1077
Product certifications	IEC CCC 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 % conforming to EN/IEC 60947-2 - 440 V DC 4.5 KA 75 % conforming to EN/IEC 60947-2 - 500 V DC 15 KA 75 % conforming to EN/IEC 60947-2 - 220 V DC 7.5 KA 75 % conforming to GB 14048.2 - 440 V DC 4.5 KA 75 % conforming to GB 14048.2 - 500 V DC 15 kA 75 % conforming to GB 14048.2 - 220 V DC
[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
9 mm pitches	4
Height	81 mm

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Width	36 mm
Depth	73 mm
Net weight	0.128 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)1…25 mm² (AWG 18...AWG 4) - rigid stranded Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 6) - flexible Tunnel type terminal (top or bottom)1…16 mm² (AWG 18...AWG 6) - flexible with ferrule Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - rigid stranded Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - flexible Tunnel type terminal (top or bottom) - 2 cable(s) 1…10 mm² (AWG 18...AWG 8) - flexible with ferrule Tunnel type terminal (top or bottom) - 3 cable(s) 1 mm² (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

Heat dissipation	5.2 W at 440 V - 2 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
Tropicalisation	2 conforming to IEC 60068-2 2 conforming to GB 14048.2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C

Packing Units

Unit Type of Package 1	Db
Number of Units in Package 1	1
Package 1 Height	3.5 cm
Package 1 Width	7.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	229.0 g
Unit Type of Package 2	Gyári csomagolás
Number of Units in Package 2	6
Package 2 Height	8.5 cm
Package 2 Width	9.0 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.423 kg
Unit Type of Package 3	Doboz
Number of Units in Package 3	72
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	17.498 kg

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes