

Product No: B7220003

ABB CTR MINI 2NO 2NC 5.5KW 48VAC B7220003

FEATURES

- Resistive or motor loads up to 690V AC.
- Efficient and space saving solution.
- DIN Rail or wall mounting.
- Complies with IEC/EN 60947-4-1.



General Information

Brand	ABB
Product Type	Mini Contactor

Technical Attributes

Cable Sections - Control Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Cable Sections - Main Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Conventional Free-Air Thermal Current - I _{th} (A)	Main Circuit 20 A
DIN Rail Mounting	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-3) 600 cycles per hour
Mechanical Durability	10000000 cycle
No. of Main Contacts	2 NO + 2 NC
No. of Poles	4
Power Loss (W)	at Rated Operating Conditions AC-1 per Pole 1.4 W
Rated Control Voltage	48 V AC

Rated Impulse Withstand Voltage (kV)	Main Circuit 6 kV
Rated Insulation Voltage	690 V acc. to UL/CSA 600 V
Rated Operational Current AC-1 (A)	(220 / 240 V) 40 °C 20 A (220 / 240 V) 55 °C 16 A (380 / 440 V) 40 °C 20 A (380 / 440 V) 55 °C 16 A (690 V) 40 °C 6 A (690 V) 55 °C 6 A
Rated Operational Power AC-3 (kW)	(230 V) Three Phase 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 kW (690 V) Three Phase, NC 3 kW (690 V) Three Phase, NO 3 kW
Rated Operational Voltage AC (V)	Main Circuit 690 V AC Main Circuit 220 V DC
Rated Short-time Withstand Current Low Voltage - I _{cw} (A)	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A
Tightening Torque (Nm)	Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Wire Stripping Length (mm)	9

Physical Attributes

Ambient Temperature (°C)	Operation -25 ... +55 °C Storage -40 ... +80 °C
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Dimensions

Dimensions (mm)	57.5 * 52.5 * 46.7 [H*W*D]
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Protection & Standards

Degree of Protection	Control Circuit Terminals IP20 Main Circuit Terminals IP20
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1, IEC/EN 60947-5-1, UL 60947-1, UL 60947-4-1