

## Product No: B6301085

### ABB CTR MINI 3P 4KW 415/40-450HZ B6301085

#### 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 - Auxiliary Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Cable Sections - Control Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Cable Sections - Main Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Conventional Free-Air Thermal Current - I <sub>th</sub> (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-15) 600 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-13) 600 cycles per hour (DC-3) 600 cycles per hour
Mechanical Durability	10000000 cycle

No. of Main Contacts	3 NO
No. of Poles	3
Power Loss (W)	at Rated Operating Conditions AC-1 per Pole 1 W
Rated Control Voltage	380 ... 415 V AC
Rated Frequency (Hz)	50 / 60
Rated Impulse Withstand Voltage (kV)	Auxiliary Circuit 6 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 2.2 kW (400 V) Three Phase 4 kW (500 V) Three Phase 4 kW (690 V) Three Phase, NO 3 kW
Rated Operational Voltage AC (V)	Auxiliary Circuit 690 V AC Auxiliary Circuit 250 V DC Main Circuit 690 V AC Main Circuit 220 V DC
Rated Short-time Withstand Current Low Voltage - I <sub>cw</sub> (A)	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A
Tightening Torque (Nm)	Auxiliary Circuit 0.8 ... 1.1 N·m 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
--------------------------	---

### Dimensions

Dimensions (mm)	57.5 * 52.5 * 46.7 [H*W*D]
-----------------	----------------------------

### Protection & Standards

Degree of Protection	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 Main Circuit Terminals IP20
----------------------	---



5-1, UL 60947-1, UL 60947-4-1

---