

# **BEAR DC Contactor**



#### Description

Strong construction and the ability to "bear" a high current-carrying capability have earned the Trombetta Bear DC Contactor Family it's name. It is big but efficient - the Bear provides an economical solution to high current switching applications. Battery management and emergency starting applications make the Bear growl to life.

## **Application**

- Transportation
- Large machinery
- Portable vehicles that carry multi-battery systems

### **Specifications**

Coil Terminals	2: 10-32 Studs
Contact Studs	5/16-24 Studs
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Mounting Bracket	Elat or Curved
Standard Operating Temperature Bange	40°C to 95°C
Standard Operating Temperature Range	-40 C t0 85 C

Coils					Contact					
Model	Max Sustained Duty Cycle <sup>1</sup>	Max On Time	Pull In Voltage <sup>2</sup>	Hold Voltage <sup>2</sup>	Coil Resist Ohms	Resistive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Inductive Load Carry/Interrupt Capability (Amps) <sup>3</sup>	Peak Inductive Inrush Capability (Amps)ª	Electrical Cycle Life	Contact Material
12V Intermittent	50%	15 min	6.5	2.5	6.0	300/300	300/300	600	25k Copper 50k Silver	Copper or Silver
12V Continuous	100%	Continuous	7.5	3.0	7.7	225/225	225/225	600	25k Copper 50k Silver	Copper or Silver
24V Intermittent	50%	15 min	12.0	5.0	27.0	300/300	300/300	600	25k Copper 50k Silver	Copper or Silver
24V Continuous	100%	Continuous	14.0	6.0	32.0	225/225	225/225	600	25k Copper 50k Silver	Copper or Silver
36V Continuous	100%	Continuous	21.0	7.5	69.0	225/225	225/225	600	50k Silver	Silver
48V Continuous	100%	Continuous	30.0	12.0	126.0	225/225	225/225	600	50k Silver	Silver

Nominal coil voltage applied starting from 25°C DC Contactor temperature. Duty Cycle=On Time/On Time + Off Time). <sup>2</sup>Voltages listed are minimum required at 25°C coil temperature. Minimum voltages requirements will increase with coil temperature. <sup>3</sup>Amps at Max Duty Cycle (300 amps for 60 seconds or 400 amps for 30 seconds). <sup>4</sup>Risetime  $\geq$  3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in  $\leq$  .1 seconds.







## **Ordering Information**

Enter Part Number Below- Some configurations are not available. Contact your Trombetta Sales Rep before ordering.





