



Description

Strong construction and the ability to “bear” a high current-carrying capability have earned the Trombetta Bear DC Contactor Family its 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 grow to life.

Application

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

Specifications

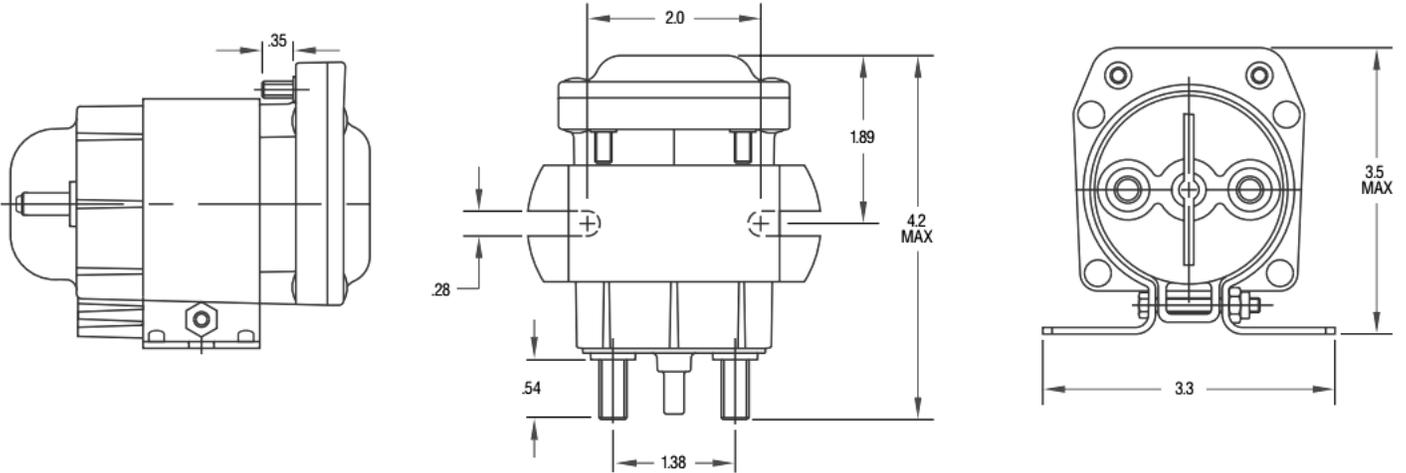
Coil Terminals	2: 10-32 Studs
Contact Studs	5/16-24 Studs
Mounting Bracket	Flat or Curved
Standard Operating Temperature Range	-40°C to 85°C

Coils						Contact				
Model	Max Sustained Duty Cycle ¹	Max On Time	Pull In Voltage ²	Hold Voltage ²	Coil Resist Ohms	Resistive Load Carry/Interrupt Capability (Amps) ³	Inductive Load Carry/Interrupt Capability (Amps) ³	Peak Inductive Inrush Capability (Amps) ⁴	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). ²Voltages listed are minimum required at 25°C coil temperature. Minimum voltages requirements will increase with coil temperature. ³Amps at Max Duty Cycle (300 amps for 60 seconds or 400 amps for 30 seconds). ⁴Risetime ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤ .1 seconds.



Product Dimensions



Ordering Information

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

Family	Coil Connection Configuration	High Current Stud	Coil Voltage	Bracket Type	Bracket Location	Duty Cycle	Contact Material	Sealing
1- Bear	1- Non-Grounded (2)10-32 Studs 2- Non-Grounded (2)10-32 Studs + (2) Spades	0- 5/16-24 SPDT and 5/16-24 Standard Length Studs 2- 1/4-20 Stud 4- Standard Bear	12- 12 Volt 24- 24 Volt 36- 36 Volt 48- 48 Volt	1- Flat 2- Curved	1- 1.890" Standard Location 2- 2.620" Requires Drilling of Housing	0- 100% Continuous 5- 50% Sustained	1- Copper 2- Silver Alloy Contacts 5- Alloy Silver Plated Movable 6- Alloy Silver Plated Movable & Stationary	0- No Additional Sealing



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