

## **Bear DC Contactor 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 <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 Capa- bility (Amps) <sup>4</sup>	Electrical Cycle Life	Contact Material
12V Intermit.	50%	15 minutes	6.5	2.5	6.0	300/300	300/300	600	25k Copper 50k Silver	Copper or Silver
12V Cont.	100%	Cont.	7.5	3.0	7.7	225/225	225/225	600	25k Copper 50k Silver	Copper or Silver
24V Intermit.	50%	15 minutes	12.0	5.0	27.0	300/300	300/300	600	25k Copper 50k Silver	Copper or Silver
24V Cont.	100%	Cont.	14.0	6.0	32.0	225/225	225/225	600	25k Copper 50k Silver	Copper or Silver
36V Cont.	100%	Cont.	21.0	7.5	69.0	225/225	225/225	600	50k Silver	Sllver
48V Cont.	100%	Cont.	30.0	12.0	126.0	225/225	225/225	600	50k Silver	Silver

<sup>1</sup>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 voltage 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 ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤.1 seconds.

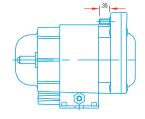
## Enter Complete Part Number Below -

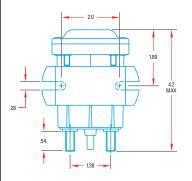
Ordering Information • Some configurations are not available. Contact your Trombetta sales rep before ordering.

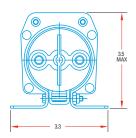
48- 48 Volt

Family	Coil Connection Configuration	High Current Stud	Coil Voltage	Bracket Type	Bracket Location	Duty Cycle	Contact Material	Sealing
X	X	Χ -	XX	X	X -	X	X	X
1- Bear	1- Non-Grounded (2)10-32 Studs	4- Standard Bear	<b>12-</b> 12 Volt <b>24-</b> 24 Volt <b>36-</b> 36 Volt	1- Flat	1- 1.890" Standard Location	<ul><li>0- 100% Continuous</li><li>5- 50% Sustained</li></ul>	1- Copper 2- Silver Alloy Contacts	<b>0-</b> No Additional Sealing











Rev 10/15

