

Bear DC Contactor Specifications

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 Capa- bility (Amps) ⁴	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
12V 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

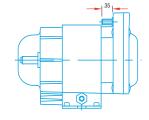
 1 Nominal coil voltage applied starting from 25° C DC Contactor temperature. Duty Cycle=On Time/(On Time + Off Time). 2 Voltages listed are minimum required at 25° C coil temperature. Minimum voltage requirements will increase with coil temperature. 3 Amps at Max Duty Cycle (300 amps for 60 seconds or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

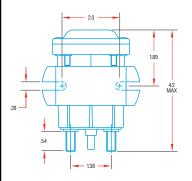
Enter Complete Part Number Below -

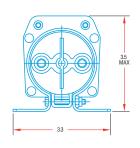
Ordering Information • Some configurations are not available. Contact your Trombetta sales rep before ordering.

Family	Coil Connection Configuration	High Current Stud	Coil Voltage	Bracket Type	Bracket Location	Duty Cycle	Contact Material	Sealing
X	Х	Χ -	ХХ	Х	Χ -	X	X	X
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

TYPICAL DIMENSIONS







Note - 2 5/16-24 nuts are provided as standard