

Metal DC Contactor

*“Completely retooled
to assure consistent quality
and performance.”*



Trombetta



The Metal DC Contactor has been completely retooled to provide dimensional consistency and electrical performance. When consistent quality and performance are required, this Metal has the mettle to come through. The applications may vary, but the performance never does.

Designed to fit a variety of high current switching and pole configurations, Trombetta Metal DC Contactors can be used in a variety of applications, ranging from military vehicles to hydraulic controls, from golf cars to stationary equipment.

TROMBETTA 
DC Power Solutions for a Harsh World

Metal DC Contactor Specifications

| | |
|--------------------------------------|---|
| Coil Terminals | 1 or 2 : 10-32 Stud(s) |
| Contact Studs | 5/16-24 Studs Standard & Long (see drawing) |
| Mounting Bracket | Flat or Curved, open or closed slots |
| Standard Operating Temperature Range | -40° C to 60° C |
| Contact Terminal Torque | 35 lbs |
| Coil Terminal Torque | 15 lbs |

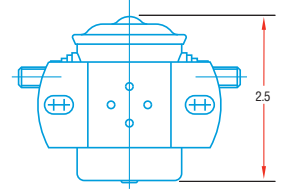
Coils

Contact

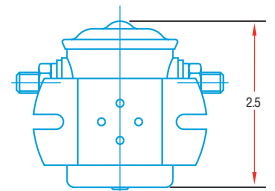
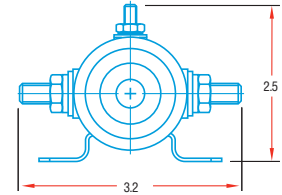
| Model | Max Sustained Duty Cycle ¹ | Max On Time | Pull In Voltage ² | Hold Voltage ² | Coil Resist Ohms | Resistive Load Carry/Interrupt Capability (Amps) ³ | Inductive Load Carry/Interrupt Capability (Amps) ³ | Peak Inductive Inrush Capability (Amps) ⁴ | Electrical Cycle Life | Contact Material |
|---------------|---------------------------------------|-------------|------------------------------|---------------------------|------------------|---|---|--|-----------------------|------------------|
| 12V Intermit. | 20% | 30 Seconds | 5.5 | 2.0 | 3.6 | 300/300 | 300/300 | 700 | 50,000 | Copper |
| 12V Intermit. | 60% | 10 Minutes | 6.0 | 2.3 | 7.1 | 250/300 | 250/300 | 700 | 50,000 | Copper |
| 12V Cont. | 100% | Cont. | 7.0 | 2.5 | 14.4 | 125/250 | 125/250 | 600 | 50,000 | Copper |
| 24V Intermit. | 20% | 30 Seconds | 11.0 | 4.0 | 14.4 | 300/300 | 300/300 | 600 | 50,000 | Copper |
| 24V Intermit. | 60% | 10 Minutes | 12.0 | 4.6 | 28.4 | 200/200 | 200/200 | 600 | 50,000 | Copper |
| 24V Cont. | 100% | Cont. | 15.0 | 5.0 | 57.0 | 125/200 | 125/200 | 500 | 50,000 | Copper |
| 36V Intermit. | 60% | 10 Minutes | 19.0 | 7.0 | 64.0 | 125/200 | 125/200 | 500 | 25,000 | Copper |
| 36V Cont. | 100% | Cont. | 25.0 | 8.0 | 130.0 | 125/125 | 125/125 | 500 | 25,000 | Copper |

¹Nominal 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 voltage requirements will increase with coil temperature. ³Amps at Max Duty Cycle. ⁴Risetime ≥ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in ≤.1 seconds.

TYPICAL DIMENSIONS



Flat mount, closed slots.
Other options available.



Curved mount, open slots.
Other options available.

