



## Description

The Continuous Duty PowerSeal is environmentally sealed-it passes IEC 60529, IP66 and IP67. It is the first contactor designed specifically for electric vehicles and the applications requiring tough environmental conditions. The PowerSeal is available in the 12 volts intermittent duty or the 12 volt to 48 volt continuous duty. The environmental seal is the centerpiece of the optimized design for higher performance and lower cost. Applications include: electric pallet jacks, forktrucks, floor scrubbers, utility vehicles and golf carts. Continuous PowerSeals are certified for RoHS, REACH and Conflict Mineral Free.

## Specifications

### Continuous Duty PowerSeal Specifications

Coil Terminals	2: 10-32 Studs
Contact Studs	5/16-24 Studs
Mounting Bracket	L, Flat, 90°, L Flat, L Curved, and Flat L Wide
Standard Operating Temperature Range	-40°C to 65°C
12V, 36V, and 48V	Can carry 300 amps for 60 secs or 400 amps for 30 secs
12V, 36V, and 48V	Can interrupt current-400 amps for 100 cycles over the expected product electrical life

### Coils

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) <sup>3</sup>	Electrical Cycle Life	Contact Material
12V Cont.	100%	Cont.	7.5	3.5	13.5	150/250	150/250	800	100,000	Copper
15V Cont.	100%	Cont.	9.5	4.0	17.5	150/250	150/250	800	100,000	Copper
24V Cont.	100%	Cont.	16	7.0	48	150/0	150/0	Not intended to switch current	100,000	Copper with silver Alloy Plating/Silver Alloy
36V Cont.	100%	Cont.	24	10.4	105	150/0	150/0	Not intended to switch current	100,000	Copper with silver Alloy Plating/Silver Alloy
48V Cont.	100%	Cont.	32	13.9	195	150/0	150/0	Not intended to switch current	100,000	Copper with silver Alloy Plating/Silver Alloy

### Contact

Nominal coil voltage applied starting from 25° C DC Contactor temperature. Duty Cycle= on time/(on time+off time). Voltages listed are minimum required at 25°C coil temperature. Minimum voltage requirements will increase with coil temperature. Amps at Max Duty Cycle. Rise time  $\geq$  3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in  $\leq$  .1 seconds.

## Ordering Information

Enter Part Number Below- We are able to customize orders. 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
6 - Power Seal	3 - Grounded 10/32 8 - Non-grounded (2) 10/32	4 - Standard Power Seal	12 - 12 Volt 15 - 15 Volt 24 - 24 Volt 36 - 36 Volt 48 - 48 Volt	1 - L Bracket, Curved 2 - Flat Bracket 3 - Curve Bracket 4 - 90 Degree Bracket 5 - L Bracket, Flat 6 - L Bracket, Curved Narrow 7 - L Bracket Flat, Long	1 - Standard	0 - 100% Continuous 2 - 25%	1 - Intermittent Duty & 12V Continuous Duty- Copper, 24,36 &48V Continuous Duty, Silver Alloy Stationary Contacts with Silver Alloy Plated Moveable Contacts	2- Sealed Design



## Product Dimensions

