Standard Plastic Contactor

Description

A durable, high temperature resistant plastic housing makes these Plastic DC Contactors suitable for a variety of environmental conditions. The HP's industry-leading 600 amp inrush capability and 5.2 volt pull-in voltage provide an extra margin of weld protection under the worst conditions. Robust 200 amp carry and interrupt capabilities ensure long life. The high temperature coil assembly and brass carrier for the moving contacts stand up under punishing cranking duty. Strong, high temperature-resistant housings surround these DC Contactors, resulting in high efficiency DC Contactors.

Applications:

- Lawn & garden industry
- Golf carts
- floor sweepers
- Electric motors

Specifications

Coil Terminals	1 or 2: 10-32 Stud(s) or ?" Spades
Contact Studs	5/16-24 Studs or 1/4-20 Studs
Mounting Bracket	Straight or L
Standard Operating Temperature Range	-40°C to 60°C

Sealed or unsealed configuration are available. The sealed configuration come only with 8/32 coil Terminals Studs and 1/4-20 high current studs.

Coils

Model	Max Sustained Duty Cycle	Max On Time	Pull In Voltage	Hold Voltage	Coil Resist Ohms
12V Intermit. Standard	15%	20 Sec	8.5	4.0	3.5
12V Intermitt. EP	15%	20 Sec	8.5	4.0	3.5
12V Intermit. HP	15%	30 Sec	5.4	3.0	2.5
12V Cont. HP	100%	Cont.	8.5	3.0	18.6
14V Cont. HP	100%	Cont.	9.0	3.5	25.0
24V Cont. HP	100%	Cont.	16.0	5.0	76.0
36V Cont. HP	100%	Cont.	26.0	9.0	173.0

Contact

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
200/200	200/200	300	10,000	Copper
200/200	200/200	500	10,000	Copper
200/200	200/200	600	12,000	Copper
100/100	100/100	400	50,000	Silver Alloy
100/100	100/100	400	50,000	Silver Alloy
100/100	100/100	400	50,000	Silver Alloy
100/100	100/100	400	50,000	Silver Alloy

Nominal coil voltage applied starting from 25∘ C DC Contactor temperature. Duty Cycle (%) = (ON / (ON + OFF)) x 100. Voltages listed are minimum required at 25∘C coil temperature. Minimum voltage requirements will increase with coil temperature. Amps at Max Duty Cycle. Risetime $\geq$ 3 milliseconds to 80% of peak inrush with linear decay to run (carry) current in $\leq$ .1 seconds.

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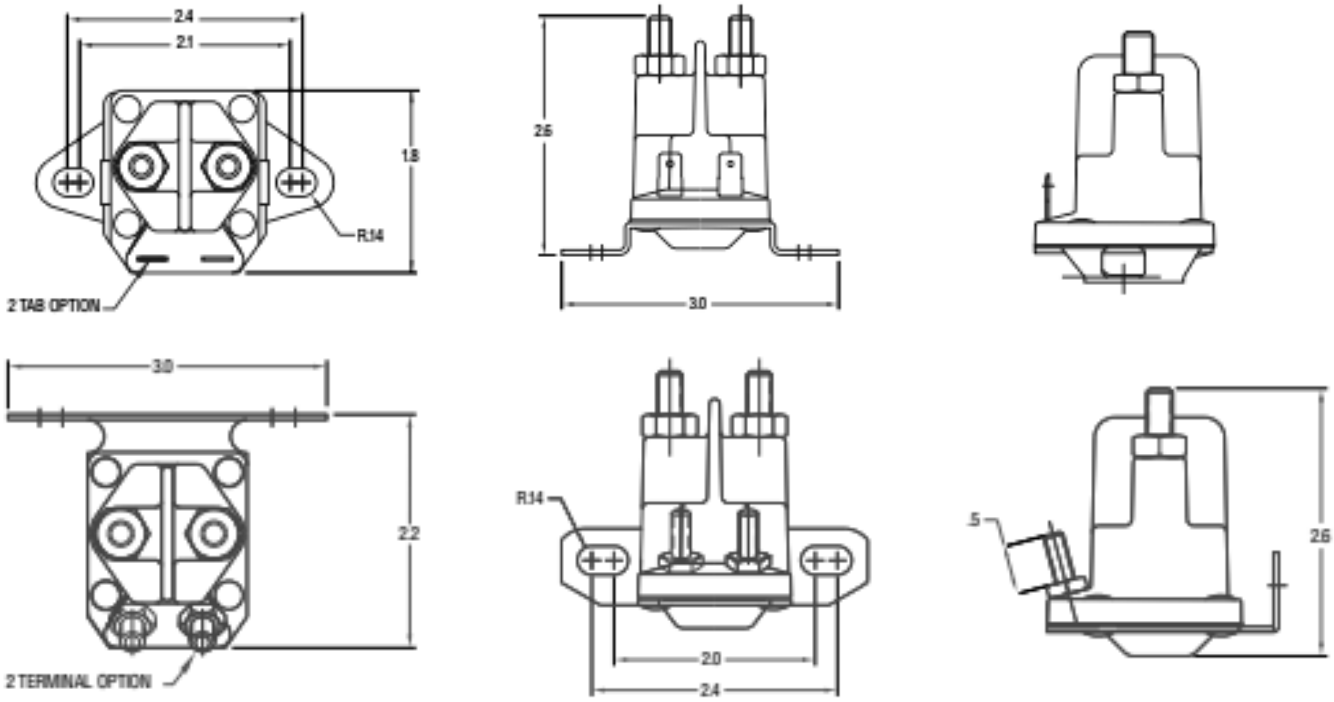
Product Dimensions



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
			—				—			
7 - High Performance **8** - Plastic	**1** - Grounded (1) 1/4" Spade **2** - Grounded (1) 8-32 Stud **3** - Grounded (1) 10-32 Stud Standard **5** - Grounded (1) 10-32 Stud +Spade **6** - Non-Grounded (2) 1/4" Spades **7** - Non-Grounded (2) 8-32 Studs **8** - Non-Grounded (2) 10-32 Studs **9** - Non-Grounded (2) 10-32 Studs+Spade	**2** - 1/4 - 20 Stud **4** - 5/16 - 24 Stud		**12** - 12 Volt **14** - 14 Volt **24** - 24 Volt **36** - 36 Volt	**1** - L Bracket **2** - Standard Base Bracket **4** - Oval Hole (1) Bracket w/ Mounting Tab **5** - Universal Bracket	**1** - Standard		**0** - 100% Continuous **2** - 15% Sustained	**1** - Copper **2** - Silver Alloy Contacts	**0** - No additional Sealing **1** - Resistant to dust, liquid **2** - Sealed Design

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