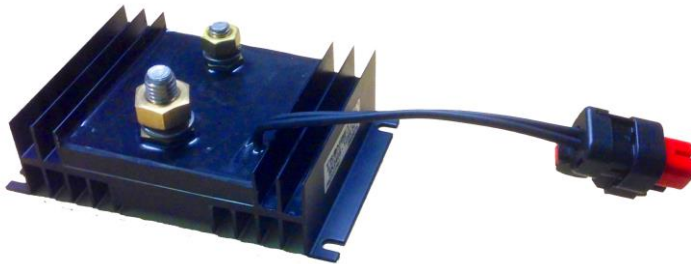


## Solid State Relay (125 Amp)



For more information, contact:  
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### ***Next Generation Power Switching –***

**Milwaukee, WI (November 21, 2013)** – With no moving parts to wear it out, Trombetta's 125 amp Solid State Relay offers a longer life-span than any other contactors in its class. The unit can be used in rough environments; withstanding vibration, moisture, large operating temperature ranges, and debris. Trombetta's long history of incorporating power switching components within our products along with our ability to properly control them puts you in a "**Solid State**" of mind.

Whether it's our electro-mechanical or solid-state switching Trombetta is your source for power switching. Please contact Trombetta for your next power switching requirement.

- Specifications on Page 2 -

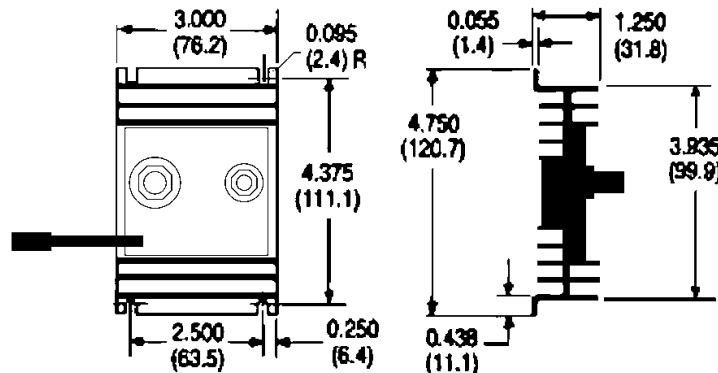
## 125 Amp Solid-State Relay Specifications

### Output Switch Rating

- 125 Amps continuous from -40c to +65c
- 75 Amps continuous from +65c to +100c
- 250 Amps surge for 10ms (temperature de-rated)
- 300 Amps short-circuit response - 10uS (temperature de-rated)
- 100 volt peak 12 volt Load Dump (0.75 Ohm source impedance)
- 200 volt peak 24 volt Load Dump (6 Ohm source impedance)
- Will not block reverse-battery condition (will activate load) Will not be damaged
- 60 volt leakage - 1uA typical
- 66 volt leakage - 1mA typical
- 80 volt Peak pass-thru current- 40 Amps (maximum 10mS duration)
- Full automotive Surge, spike and ESD protection
- Connections: Battery - M10 SS Stud, Load - M8 SS Stud
- Mounting footprint - 3.00 x 4.75 inches

### Activation Input

- 2 Pin pigtail with Deutch DT06-2S-EP06 male connector
- Input is polarized.
- Reverse Battery protection.
- Full automotive surge, spike and ESD protection
- galvanic isolated from output.
- Capacitive coupling from (-) input to output - 0.1uF
- Activation Voltage over full -40c to +100c range:  
5.0 volts minimum  
32 volts continuous
- Activation Current: less than 15mA



## **About Trombetta**

Trombetta is a leading worldwide manufacturer of DC power switching and power management products for mobile applications. Trombetta's products include DC Contactors, Voltage Regulators, Industrial Work Solenoids, Key Switches, and various Electronic Controls. Focused on meeting their customers design requirements, Trombetta strives to develop innovative solutions that reduce costs while increasing performance. Trombetta's rugged designs are focused on meeting the demands of mobile equipment including extreme operating temperatures, humidity, exposure to splash and spray of contaminants as well as shock and vibration. We are market leaders in the following industries:

- PowerSports
- Agricultural & Construction Equipment
- Lawn & Garden
- Hydraulics
- Medium/ Heavy Trucks/ RV
- Electric Vehicles
- Marine