Solid State DC Contactors

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Max Current Type A Mounting</th>
<th>Max Current Type B Mounting</th>
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</thead>
<tbody>
<tr>
<td>44401</td>
<td>100</td>
<td>75</td>
</tr>
<tr>
<td>44402</td>
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<tr>
<td>44403</td>
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<td>125</td>
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Type A Mounting: Aluminum plate 0.125”x16”x16” or larger
Type B Mounting: wood, plastic or free air

Features:
- Combination of low on-resistance solid-state switches and high current fly back diodes provides outstanding surge current capability for starting high in-rush current loads
- Provides maximum voltage spike suppression for high inductive loads
- Sealed Metal Case: anodized aluminum case, 4 corner mounting hole pads provide required connection to ground
- Control Input utilizes 1/4” male disconnects
- Compact Size and Low Profile - space saver
- Status LED indicator: displays steady on when contactor is on and operating normally, or flashes when contactor has automatically turned off as a result of a detected fault such as loss of ground, over-current, under-voltage or over-temperature
- 100% Solid State Construction
- Automatic Over-Current, Under-Voltage and Over-Temperature Faulty Shutdown Protection
- Loss of Ground Detection
- Use with alternator type battery boots

Specifications:
- Max current rating at 110°F (43°C)
- Operating Voltage Range: +7.5 to 20.0 volts
- Case Maximum Temp: +185°F (85°C)
- Low battery voltage trip: 250 milliseconds
- Over-current trip: 100% to 110% of rated amperage for 500 milliseconds
- Logic Power Current Draw w/status LED off: 80 milliwatts
- Logic Power Current Draw w/status LED on: 150 milliwatts
- Turn-on Delay: 25 milliseconds
- Turn-off Delay: 25 milliseconds
- Control Connector Type: 0.25 inch male Faston blade terminal
- Control Input Voltage: >+8.0VDC to activate, <+4.0 VDC to deactivate
- Control Input Resistance: 120K Ohm to ground
- BAT+ to LOAD Terminal Leakage Current: 75 microamps max.
- Weight: 0.40 lbs (0.181 kg)
- Dimensions: 2.85 (72.29 mm) x 4.35 (110.49 mm) x 1.10 inches (27.94 mm)
- Power Terminals: Two (2) 3/8—16 threaded stainless steel studs, with brass contact pads for low contact resistance, and locking nuts.
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System Diagram:

Mechanical Drawing:

Terminal lug to ensure a good ground.

3/8 - 16 stainless steel threaded stud
Stainless steel locking nut (furnished with product)

All dimensions in inches. Not to scale.