STANDARD SOLID STATE RELAY SERIES
31 V Max 85 A Solid State DC Solenoid Relay Switch

Description
Suitable for high inrush demand circuits, the Standard Solid State Relay Series 31 V Max 85 A Solid State DC Solenoid Relay Switch offers extended protection against adverse environments thanks to its fully encapsulated construction, and it has no moving parts to wear out. The fully electronic switching mechanism means there are no electrical arcs, delivering a safe, reliable design.

Web Resources
Download 2D print, installation guide and technical resources at: littelfuse.com/Standard-Solid

Specifications
- Max Voltage Rating: 31 VDC
- Current Rating Continuous: 85 A
- Auxiliary Contacts: Cable 16 GLA
- Contacts: Negative Bolt 5/16-18, Positive Bolt 5/16-18
- Housing: Aluminum and Sealant
- Input Terminals: 5/16”

Applications
- High-Side Switching
- Low-Side Switching

Features and Benefits
- Solid state relay (SSR) handles 31 V maximum and is designed for 12 to 24 V DC systems
- Continuous current rating of 85 A
- Aluminum-bodied, fully encapsulated construction for protection in harsh commercial vehicle environments
- Requires a very low control current
- On/off control voltage must be identical to the system voltage
- Protected from transient voltage spikes or surges
- Studs permit high-current connection

Ordering Information

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>RECOMMENDED TORQUE</th>
<th>NORMAL POSITION</th>
<th>MOUNTING METHOD</th>
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<tbody>
<tr>
<td>48785</td>
<td>Solid State DC Solenoid Relay Switch</td>
<td>In Terminal Nut 47.8 Lb.in +/− 8 Lb.in</td>
<td>N0</td>
<td>Flange 4x M5 or 3/16” Bolts</td>
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<tr>
<td>48785-BX</td>
<td>Solid State DC Solenoid Relay Switch - Boxed</td>
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