L-Series 12 Volt Solenoid Switch
PN 5301

Features
• 300 Ampere switch remotely activated using a low ampere switch and thin wire
• Ideal remote battery switch
• Hermetically sealed contacts
• Ignition protected - safe for installation aboard gasoline powered boats
• Noise-free circuitry will not interfere with other appliances
• Activated by an ON-OFF switch mounted anywhere
• Used as a manual battery paralleling switch
• Meets SAE J1171 - External ignition protection requirements
• CE marked for EC applications, ISO 8846

Specifications
Coil Circuit:
Input Voltage: 9.6 - 13.2 Volts DC
Power Consumption: 1.2 Amperes

Main Power Contacts:
Maximum Voltage Rating: 60 Volts DC
Stud Terminal Size: M8 (accepts 5/16" terminals)
Contact Form: SPST-NO
Mechanical Life: 1 Million Cycles
Break Current@10,000 Cycles: 2000 Amperes@28V

Wire Size | Cranking Rating 100 sec. | Intermittent Rating 5 min. (UL 1107) | Continuous Rating (UL 1107)
--- | --- | --- | ---
1/0 | 450A | 375A | 250A
2/0 | 500A | 450A | 300A
2x2/0 | 800A | 600A | 450A

Guarantee
If at any time you are not satisfied with this product, you may return it for a refund or replacement.

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Installation

Electrical Connections

1 Disconnect the positive battery connection before beginning the installation. The illustration below is general in nature and is not meant to be a guide for the wiring of any specific vessel. There are a wide range of wiring configurations possible. Consult your marine electrical professional for the wiring system applicable to your boat.

2 Make electrical connections based on the wiring diagram. Consult a wire sizing chart to determine the appropriate wire sizes.

Main Disconnect and Starting Solenoids

High amperage electronic solenoid switches allow heavy cable runs to be shortened dramatically by eliminating the need to route cables for convenient operator access for manual switching operations. Shortened cable runs save labor and material costs, reduce weight, conserve space, reduce exposure to short circuits, and deliver higher circuit voltages. Solenoid switches also allow high amperage switching operations to be automated, allowing high amperage circuits to be completely disconnected when not in use.

These switches can be used for:
- Starting Circuit Disconnects
- Main Distribution Panel Disconnects

Electrical Connection Illustration

This schematic is to illustrate the general placement of the switch in a circuit. It is not meant to provide detailed wiring instructions for any particular boat.

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