

M-750 SERIES

36V 310A DUAL-BATTERY SELECTOR & MASTER DISCONNECT SWITCH



M-750

Description

The M-750 Series 36V 310A Dual-Battery Selector & Master Disconnect Switch is ideal for boats, emergency vehicles, buses, heavy trucks, and RVs that use one battery for starting the engine and another battery to power auxiliary loads.

This automotive and marine battery selector switch has single-pole, triple-throw (SP3T) circuitry, which gives you four options: batteries OFF, battery 1 ON, battery 2 ON, or both batteries ON simultaneously.

The battery cutoff position ensures reliable battery disconnection to protect against electrical fire, tampering or theft, and battery drain, while the selector switch positions allow for maximum starting power and backup starting power during emergencies.

Web Resources

Download 2D print, installation guide and technical resources at: littelfuse.com/M-750

Ordering Information

| PART NUMBER | DESCRIPTION | CIRCUITRY | NORMAL POSITION | ACTUATOR |
|-------------|---|-------------------------|-----------------|----------|
| M-750 | 36V 310A Dual-Battery Selector & Master Disconnect Switch | SP3T, OFF-ON-BOTH ON-ON | Off | Knob |
| M-750-BP | 36V 310A Dual-Battery Selector & Master Disconnect Switch - Blister Pack | SP3T, OFF-ON-BOTH ON-ON | Off | Knob |
| M-754 | 36V 310A Dual-Battery Selector & Master Disconnect Switch with Pilot Light Circuit | SP3T, OFF-ON-BOTH ON-ON | Off | Knob |
| M-754-BP | 36V 310A Dual-Battery Selector & Master Disconnect Switch with Pilot Light Circuit - Blister Pack | SP3T, OFF-ON-BOTH ON-ON | Off | Knob |

Specifications

| | |
|---|--------------|
| Current Rating Continuous in Amps: | 310A |
| Max Voltage Rating | 6-36V |
| Housing: | Valox 325 |
| Input Terminals: | 3/8-24 Studs |
| Mounting Method: | Screws |
| Output Terminals: | 3/8-24 Studs |
| Mounting Hole: | 3/8" |
| Ignition Protection: | UL-94 |

Applications

- Boats
- Emergency Vehicles
- Heavy Trucks
- Buses
- RVs

Features and Benefits

- 500A intermittent current at 12V dc for up to 5 minutes and 310A maximum continuous current
- Single-pole, triple-throw (SP3T) switch allows you to use one of two batteries or both batteries at the same time, which enables maximum starting power
- Functions either with alternators or generators
- 3/8"-24 copper studs are solidly machined to the contact plates
- High-performance rubber O-ring keeps water, dust, and contaminants out
- Rugged polyester thermoplastic case and large, easy-to-grip knob stand up to impacts
- Designed with a flange for flush mounting or through-panel mounting
- Make before break design permits operation through the ON positions with the engine running
- Available with or without a pilot light circuit
- UL and CE certified