# 75920 SERIES
## 36V MASTER BATTERY DISCONNECT SWITCH




75920




75921-02




75920-01

## Specifications

| | |
|---|---|
| **Current Rating Continuous:** | 400A @ 12V<br>300A @ 24V<br>200A @ 36V |
| **Intermittent Current in Amps:** | At 12V all, 5 cycles :<br>1000A 90 sec on, 5 min off<br>1500A 60 sec on, 5 min off<br>2000A 30 sec on, 5 min off<br>3000A 15 sec on, 5 min off |
| **Max Voltage Rating:** | 36 VDC |
| **Ignition Protection:** | UL 94V-0 |
| **Ingress Protection:** | IPX8 |
| **Mounting Method:** | Through Hole |
| **Circuitry:** | SPST |
| **Operating Temp Range:** | -40 to +85 °C |

## Description

Keep service personnel safe and protect the battery and electrical systems in your emergency vehicle, tractor, heavy-duty truck, or boat with the 75920 Series 36V Master Battery Disconnect Switch.

The heavy-duty battery disconnect switch ensures the safety of service professionals by disconnecting the battery from the vehicle electrical system, safeguards against battery drain from parasitic loads, and features built-in lock-out/tag-out for tampering and theft prevention.

As an IPX8-rated waterproof battery disconnect switch, it is ideal for a wide range of vehicles, including construction equipment, heavy-duty trucks, boats, and vehicles operating in harsh conditions, such as snowplows and snow removal equipment. Fitting a standard master disconnect mounting pattern, the 75920 series can be used as a drop-in replacement.

With a large knob that makes manual operation simple, plus clear switch position markings and 90° switch travel, the high-amp battery disconnect can effectively be used as a manual emergency power cutoff switch.

## Web Resources

Download 2D print, installation guide and technical resources at: **littelfuse.com/75920**

## Applications

- Heavy-Duty Truck
- Construction
- Agricultural Equipment
- Material Handling
- Mining
- Off-Road Vehicles
- Emergency Vehicles
- Marine

## Features and Benefits

- High amperage continuous current capacity of 400A with a single 4/0 cable at 12V DC, 300A at 24V DC, or 200A at 36V DC
- IPX8-rated waterproof battery disconnect switch for external mounting on vehicles as well as installation on boats and marine equipment
- Can be used in high-side or low-side applications
- Black or gray thermoplastic housing with a UL 94 V-0 rating
- Tested per SAE J1455 for salt, calcium chloride, and magnesium chloride, delivering a rust- and corrosion-free high-amp battery disconnect
- Large red, yellow, or black knob makes the master battery disconnect switch easy to operate while wearing gloves, and the 90° switch travel makes it simple to identify the switch position
- Built-in lock-out/tag-out (LOTO) satisfies OSHA requirements for an energy isolation device
- Large divider on the base prevents accidental shorting of high energy cables


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## Ordering Information

| PART NUMBER | DESCRIPTION | INPUT TERMINAL | MOUNTING STEM | MOUNTING HOLE DIMENSION (mm) | ACTUATOR KNOB |
|---|---|---|---|---|---|
| 75920 | 36V Master Battery Disconnect Switch with On/Off Markings and Red Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-01 | 36V Master Battery Disconnect Switch with On/Off Markings and Yellow Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | YELLOW |
| 75920-02 | 36V Master Battery Disconnect Switch with Special Red Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-03 | 36V Master Battery Disconnect Switch without External Stop or Bezel - Red Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-05 | 36V Master Battery Disconnect Switch with I/O Markings and Red Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-05-BX | 36V Master Battery Disconnect Switch with I/O Markings and Red Knob | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-10 | 36V Master Battery Disconnect Switch with I/O Markings, Red Knob, and Stainless Steel Hardware | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-BP | 36V Master Battery Disconnect Switch with On/Off Markings and Red Knob - Blister Pack | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75920-BX | 36V Master Battery Disconnect Switch with On/Off Markings and Red Knob - Boxed | 3/8-24 | ¾"-16 ZINC | Ø20.62, Ø7.92 | RED |
| 75921-02 | 36V Master Battery Disconnect Switch with I/O Markings and Black Knob - SS Hex Nut - Metric | M10 X 1.5 | 18mm X 1.5 ZINC | Ø19.00, Ø7.00 | BLACK |
| 75921-10 | 36V Master Battery Disconnect Switch with I/O Markings and Red Knob - SS Hardware - Metric | M10 X 1.5 | 18mm X 1.5 ZINC | Ø19.00, Ø7.00 | RED |
| 75921-10-BX | 36V Master Battery Disconnect Switch with I/O Markings and Red Knob - SS Hardware - Metric - Boxed | M10 X 1.5 | 18mm X 1.5 ZINC | Ø19.00, Ø7.00 | RED |



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