

# 75920 SERIES

## 36V MASTER BATTERY DISCONNECT SWITCH



75920



75921-02



75920-01

### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Current Rating Continuous:</b>    | 400A @ 12V<br>300A @ 24V<br>200A @ 36V   |
| <b>Intermittent Current in Amps:</b> | 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 |
| <b>Max Voltage Rating:</b>           | 36 VDC   |
| <b>Ignition Protection:</b>          | UL 94V-0   |
| <b>Ingress Protection:</b>           | IPX8   |
| <b>Mounting Method:</b>              | Through Hole   |
| <b>Circuitry:</b>                    | SPST   |
| <b>Operating Temp Range:</b>         | -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](http://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         | 3/4"-16 ZINC    | Ø20.62, Ø7.92                | RED           |
| 75920-01    | 36V Master Battery Disconnect Switch with On/Off Markings and Yellow Knob                          | 3/8-24         | 3/4"-16 ZINC    | Ø20.62, Ø7.92                | YELLOW        |
| 75920-02    | 36V Master Battery Disconnect Switch with Special Red Knob   | 3/8-24         | 3/4"-16 ZINC    | Ø20.62, Ø7.92                | RED           |
| 75920-03    | 36V Master Battery Disconnect Switch without External Stop or Bezel - Red Knob                     | 3/8-24         | 3/4"-16 ZINC    | Ø20.62, Ø7.92                | RED           |
| 75920-05    | 36V Master Battery Disconnect Switch with I/O Markings and Red Knob                                | 3/8-24         | 3/4"-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         | 3/4"-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         | 3/4"-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         | 3/4"-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         | 3/4"-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           |