

75920 SERIES

36V MASTER BATTERY DISCONNECT SWITCH



75920



75921-02



75920-01

Specifications

Current Rating Continuous:

400A @ 12V

300A @ 24V

200A @ 36V

Intermittent Current in Amps:

At 12V all, 5 cycles :

1000A 90 sec on, 5 min off

1500A 60 sec on, 5 min off

2000A 30 sec on, 5 min off

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

75920 SERIES

36V MASTER BATTERY DISCONNECT SWITCH

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
75920-04	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	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
75920-06	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
75920-12	36V Master Battery Disconnect Switch with On/Off Markings and Rectangular Bezel	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
75921-03	36V Master Battery Disconnect Switch with I/O Markings and Black Knob - 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Littelfuse](#):

[75920-05](#) [75921-10](#) [75920](#) [75920-10](#) [75920-BX](#)