

75930 Series

32V DC 300A DPST Battery Master Disconnect Switch



75930-01

75930-02

75930-03

Description

With a patented weld breaker safety feature and integrated lockout/tagout, the 75930-Series Battery Master Disconnect Switch with Auxiliary Contact is designed for safely cutting off battery power to all electrical systems aboard heavy-duty vehicles and equipment used in mining, agriculture, construction, and transportation.

This dual-pole, single-throw (DPST) manual battery disconnect switch is constructed with a robust engineered polymer housing, offering a contemporary design that stands up to the harsh conditions typically found in commercial vehicle environments. Carrying an IP67/IPX9K rating, the switch is protected against dust, debris, and water.

Features and Benefits

- Continuous current rating of 200A with 90mm² cables and 300A with 120 mm² cables on main contact and 10A with 2.5mm² cables on auxiliary contact
- Inrush current rating of 500A per 60s at 23 °C and 1,000A per 15s at 23 °C on main contact and 20A per 180s at 23 °C on auxiliary contact
- Dual-pole, single-throw (DPST)
- Engineered polymer design is protected against dust, debris, and water to an IP67/IPX9K rating
- Removable handle available in red, yellow, or black with hole accepting up to 6mm lockout/tagout shackle
- Patented weld breaker safety feature
- Built-in lockout/tagout

Web Resources

Download datasheet, 2D print, 3D model and more at: Littelfuse.com/75930

Specifications

| | |
|------------------------------------|---|
| Max Voltage Rating: | 32V DC |
| Main Contact: | |
| Continuous Current Ratings: | 200A with 90mm ² cables 300A with 120mm ² cables |
| Inrush Current Rating: | 500A per 60s at 23 °C 1,000A per 15s at 23 °C |
| Auxiliary Contact: | |
| Continuous Current Ratings: | 20A per 180s at 23 °C |
| Inrush Current Rating: | 10A with 2.5mm ² |
| Actuator: | Removable Handle |
| Housing: | Engineered Polymer |
| Circuitry: | DPST |
| Contacts: | Copper |
| Hardware: | Stainless Steel |
| Ingress Protection: | IP67 / IPX9K |
| ISO Standard: | 16750-4 |
| Mounting Hole Dimensions : | Ø20.6mm (Ø0.81") + locking 2* hole Ø8.5mm (Ø0.33") at 41mm (1.61") |
| Mounting Hole/Stem: | Pass through 1 hole, Ø18.2mm |
| Output Terminals: | 2 x M10 |
| Recommended Torque: | M10, 18 ± 2Nm |
| Operating Temp: | -40°C to + 85°C |
| Terminal size: | M10 x 90mm ² |

Applications

- Mining
- Agricultural
- Construction
- Transportation
- Emergency Vehicle
- Forestry

Ordering Information

| BULK PACKAGING | BLISTER PACKAGING | DESCRIPTION |
|----------------|-------------------|--|
| 75930-01 | 75930-01-BP | Battery Disconnect Switch/Integrated Lockout/Tagout - Red |
| 75930-02 | 75930-02-BP | Battery Disconnect Switch/Integrated Lockout/Tagout - Yellow |
| 75930-03 | 75930-03-BP | Battery Disconnect Switch/Integrated Lockout/Tagout - Black |
| 63995-A | – | Handle Kit - Blue Handle and M3 Screw |
| 63989-A | – | Handle Kit - Red Handle and M3 Screw |
| 63988-A | – | Handle Kit - Yellow Handle and M3 Screw |
| 63990-A | – | Handle Kit - Black Handle and M3 Screw |