BATTERY MASTER DISCONNECT SWITCH 32VDC

Littelfuse

These Battery Master Disconnect Switches are designed for safely cutting off battery power to all electrical systems aboard heavy-duty vehicles and equipment used in mining, agriculture, construction, and transportation. Designed with a patented weld breaker safety feature, robust engineered polymer housing and integrated lockout/tagout. The IP67/IPX9K rating provides protection from dust, debris and water to ensure they can withstand harsh conditions typically found in commercial vehicle environments. The switch is manually operated.

NEW
32V
IP67
IPX9K

Features

- Main contacts feature a continuous current rating up to 300A.
- Single or double pole switch options.
- Removable actuator with colours; red, yellow, or black.
- 6.5mm hole in actuator for lockout / tagout shackle.
- Patented weld breaker safety feature.
- IP67/IPX9K rating.

Part Number	Switch Circuit	Qty Studs	Actuator Colour
75940-01	SPST	2	Red
75940-02	SPST	2	Yellow
75940-03	SPST	2	Black
75930-01	DPST	4	Red
75930-02	DPST	4	Yellow
75930-03	DPST	4	Black



75940-01



75940-01 (SPST)



75930-01 (DPST)

Voltage: 32VDC.
Max Continuous Current Ratings:
200A with 90mm² cables (Main contacts).
300A with 120mm² cables (Main contacts).
10A per with 2.5mm² cables (DPST Aux contacts)
Inrush Ratings:
500A per 60s at 23°C (Main contacts).
1000A per 15s at 23°C (Main contacts).
20A per 180s at 23°C (DPST Aux contacts)
Min Current Rating: 1A (DPST Aux contacts)
Housing, Handle & Backplate: Thermoplastic reinforced PA66 class V-0.
Contacts: Copper.
M10 Studs: Silver plated copper.
Hardware: Stainless Steel. Includes mounting bolts and nuts.
Ingress Protection Rating: IP67 / IPX9K.
ISO Standard: 16750-4.
Mounting: Panel mount.
Mounting Hole Dimensions:
Dia 20.6mm + locking 2" hole. Dia 8.5mm at 41mm.
Mounting Hole / Stem: Pass through 1 hole, dia 18.2mm.
Output Studs: 2 x M10
Auxiliary Studs: 2 x M5 (DPST switch only).
Recommended Torque: 18 ± 2Nm (M10 studs), 14 ± 2Nm (M8 mounting bolt), 0.6 ± 0.2Nm (Handle screw).
Wall Thickness: 0.8 to 8.5mm
Operating Temperature: -40 °C to +85 °C.
Number of Mechanical & Electrical Operations: 5000



75940-02

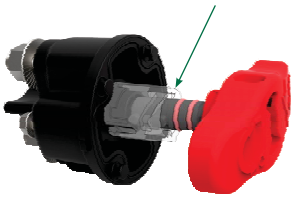


75940-03

RELAY + SWITCH

Patented Weld Breaker

Safety feature functionality exerts force on the moving contact to break any welds that might have developed.

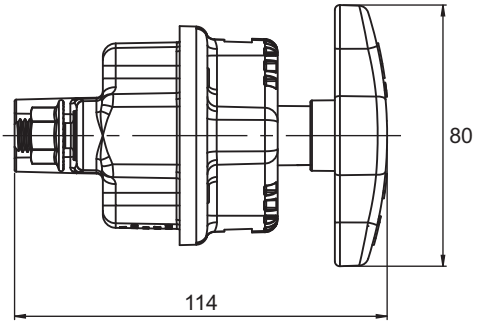


If the weld breaker cannot break the weld, a safety mechanism will prevent the handle from turning to the "OFF" position.

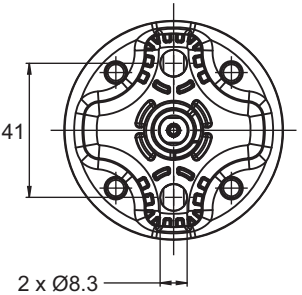
PROLEC

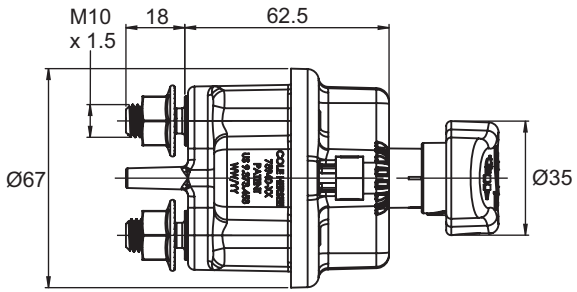
Email: info@prolecproducts.com.au
Web: www.prolecproducts.com.au

Product Dimensions



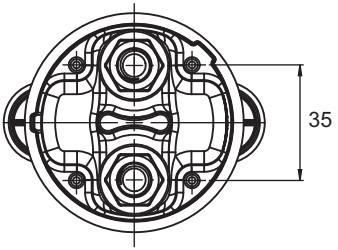
Top View



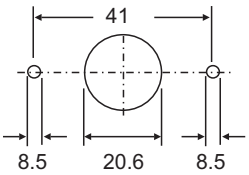


Dimensions in MM

Bottom View
75940 (SPST)

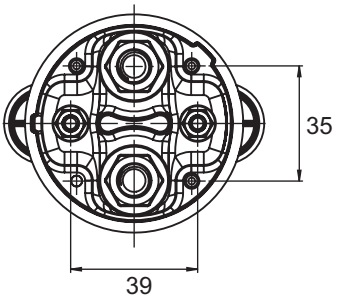


Mounting Diagram

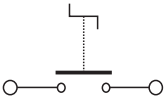




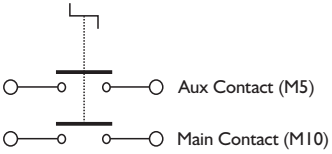
Bottom View
75930 (DPST)



Electrical Diagram
75940 (SPST)



Electrical Diagram
75930 (DPST)



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