

TR SERIES

32V 500A 2-POLE WATERPROOF MASTER BATTERY DISCONNECT SWITCH



880175

880175-0001

880175-0002

Description

Cut all battery power to vehicle electrical systems with the TR Series 32V 500A 2-Pole Waterproof Master Battery Disconnect Switch. The dual-pole, single-throw (DPST) switch works in heavy-duty truck, construction, emergency vehicle, bus and transit, military, and agricultural applications requiring the switching of two circuits or both positive and negative.

You can feel confident mounting this master battery disconnect switch in exposed locations thanks to its IP67 and IPX9K waterproof and dustproof ratings as well as its high shock and vibration tolerance.

The dual battery disconnect switch can be used to disconnect one or two batteries in either the positive or negative line, and it can be used to switch two vehicle voltage circuits simultaneously (24V and 12V).

Integrated lock-out/tag-out (LOTO) capability in either the on or off position using a padlock or hasp (not included) helps ensure personnel safety and vehicle security.

Web Resources

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

Ordering Information

PART NUMBER	DESCRIPTION	CIRCUITRY	INPUT TERMINAL
880175	Master Battery Disconnect Switch with Black Knob	DPST	Stud M12X1.75 Tin Copper
880175-0001	Master Battery Disconnect Switch with Red Knob	DPST	Stud M12X1.75 Tin Copper
880175-0002	Master Battery Disconnect Switch with Yellow Knob	DPST	Stud M12X1.75 Tin Copper
880175S	Master Battery Disconnect Switch with Black Knob	DPST	Stud M12X1.75 Tin Copper
880302	Master Battery Disconnect Switch with Black Knob (CB)	DPST	Stud M12X1.75 Tin Copper

Specifications

Max Voltage Rating:	32VDC
Continuous Current Rating:	500A @ 32VDC with 4/0 cable
Inrush Amps Time Period:	30 Seconds ON MAX
Operating Temp Range:	-40°C to +85°C
Ingress Protection:	IP67 / IP-X9K
Ignition Protection:	94V-0
Mounting Method:	Flange
Mounting Hole:	Ø8.5mm
Housing:	Black Thermoplastic

Applications

- Heavy Trucks
- Construction
- Emergency Vehicles
- Bus/Transit
- Military

Features and Benefits

- Maximum continuous current of 500A per circuit with two 4/0 input and two 4/0 output cables or 350A per circuit with one 4/0 input and one 4/0 output cable
- IP67 and IPX9K waterproof and dustproof ratings enable mounting in exposed locations on the vehicle
- Drop-in replacement for competitive master disconnect switches when you need higher vibration (8 G) and shock (30 G) capabilities
- Built-in lock-out/tag-out in the on or off position using a padlock or hasp helps ensure the safety of service personnel and the security of the vehicle
- Available with a black, yellow, or red knob
- Four tin-plated copper M12 x 25 mm terminal studs
- Two holes for M8 or 5/16" mounting