

Battery & Master Disconnect Switches



Master Disconnect Switches are available for any application and suitable for 12V to 48V and up to 500A continuous (at 12V). Other features include: single or dual pole configurations, stem or flange mount, with lockout/tagout and lever or keyed actuators.

Lockouts & Tagouts

Lockouts and tagouts prevent operators, technicians and maintenance personnel from unanticipated power-ups that might cause injury or death.

According to OSHA, "A lockout device utilizes a positive means such as a lock to hold an energy isolating device in a safe position and prevent the energization of a machine." A tagout is a tag or seal that states 'Do not operate or remove this tag' and is signed by the person who places the tagout. Procedures specify that nobody but that person may remove the tag.

A lockout on a battery switch not only keeps a vehicle safe, but also immobilizes it. A locked out vehicle is less vulnerable to battery drain or theft.



What is a Hencol Key?

Hencol is a Cole Hersee brand name used to describe our non-bitted common keys. Hencol keys are often used for ignition switches installed in forklifts or equipment that will have multiple operators. The non-bitted key allows any authorized user with a Hencol key to start and operator the vehicle.

The term Hencol is named after one of the Cole Hersee founders and is a truncation of his name, Henry Cole.





TR Series • 500A Dual Pole Battery Disconnect Switch

Cuts all battery power from vehicle electrical system, or for applications needing switching of two circuits, or both positive and negative.

- 500A continuous current rating for each of the two circuits (2x 4/0 input and 2x 4/0 output cables)
- Can be used to switch two vehicle voltage circuit simultaneously (12 & 24V DC)
- Built-in lockout satisfies OSHA requirements for an energy isolation device
- Ignition protected to SAE J1171 and ISO8846 for installation in a battery box or on vehicles carrying hazardous loads
- Ingress protection to IP67 and IP69k means that the switch can be mounted in exposed locations.

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/TRswitch

PART NUMBERS			VOLTAGE	AMPERAGE	CIRCUITRY	INGRESS	MOUNTING METHOD
BULK	BOXED	RETAIL					
880175	880175S	–	12-24V DC	500A	DPST	IP67 & IP69K	Surface Mount



75920 Series • 400A Sealed Battery Disconnect Switch

Protects vehicles against tampering, theft and battery drain. Switch protects from hazards during vehicle servicing and provides an effective emergency power cutoff. Can be used in both positive or in negative path applications. Built-in lockout satisfies OSHA requirements for an energy isolation device.

- 400A continuous at 12V DC — 3000A intermittent at 12V DC (15sec on 5 min off)
- Waterproof and dustproof to IP68 - switch can be mounted in exposed locations
- Built-in lockout satisfies OSHA requirements for an energy isolation device
- Large red knob is easy to operate with gloves
- Large divider on base prevents accidental shorting of high energy cables

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/75920

PART NUMBERS			VOLTAGE	AMPERAGE	CIRCUITRY	INGRESS	MOUNTING TYPE	NOTES
BULK	BOXED	RETAIL						
75920	75920-BX	75920-BP	12-36V DC	200-400A	SPST	IP68	Through-Hole	Bezel marked "off - on"
75920-05	75920-05-BX	–	12-36V DC	200-400A	SPST	IP68	Through-Hole	Bezel marked "O - I" symbols
75920-10	75920-10-BX	–	12-36V DC	200-400A	SPST	IP68	Through-Hole	Stainless Steel Hardware
75921-10	–	–	12-36V DC	200-400A	SPST	IP68	Through-Hole	Stainless Steel Metric Hardware



SR Series • 300A Flange Mount Battery Disconnect Switches

Isolates high current DC circuits from battery sources. Available in multiple case designs with optional padlock capability.

- 300A continuous current rating
- Tin-plated copper studs provide maximum conductivity and lower contact resistance.
- Stainless steel hardware provides superior corrosion resistance.
- Ignition protected to SAE J1171 and ISO8846 for installation in a battery box or on vehicles carrying hazardous loads.

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/SRswitch

PART NUMBERS			MAX VOLTAGE	AMPERAGE (AT 12V DC)	CRANKING RATING (12V DC, 30sec)	INGRESS	MOUNTING METHOD	NOTES
BULK	BOXED	RETAIL						
880062	–	–	48V DC	300A	1250A (1 x 4/0 cable)	IP67 & IP69K	Through-Hole	–
880064	880064S	–	48V DC	300A	1250A (1 x 4/0 cable)	IP67 & IP69K	Surface Mount	Lock-Out
880154	–	–	36V DC	600A	2500A (1 x 4/0 cable)	IP67 & IP69K	Surface Mount	High-Cranking with Lock-Out
888842000A	–	–	12 V DC	5A	–	–	Panel Mount	–

Battery Disconnect Switches



08098700

100-150A • SPST • UP4X/IP43 • Compact Battery Disconnect Switch

08098700 is Standard Compact Manual Battery Disconnect Switch that features a removable handle with a plastic body. Rated to 100A continuous current this switch is ideal light-duty applications.

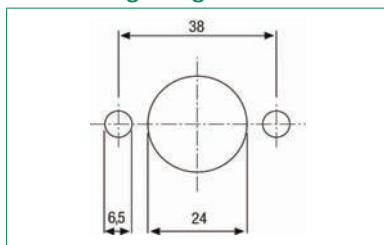
08099080 is an upgraded design with bigger contacts (M10) and improved components for heavier 150A current loads within the same compact dimensions, which make it one of the most popular products for 12V applications. This Manual Battery Disconnect Switch features a removable handle with a plastic body and rubber cap is included for protection while switch is removed from the socket.

For additional information visit: littelfuse.com/ManualBatterySwitches

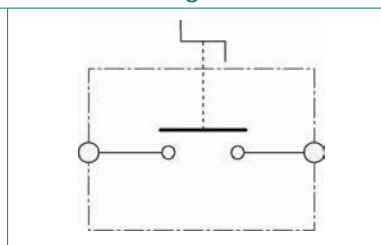


08099080

Mounting Diagram



Electrical Diagram



PART NUMBERS			VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	TERMINAL HARDWARE	NOTES
BULK	BOXED	RETAIL									
08098700	08098700-BX	–	12-24V DC	100A	500A at 5s	SPST	IP4X	Flange Mount	M8 Copper	Brass	–
08098780	08098780-BX	–	12-24V DC	150A	1000A at 5s	SPST	IP4X	Flange Mount	M10 Copper	Brass	–
08099080	08099080-BX	08099080-BP	12-24V DC	150A	1000A at 5s	SPST	IP43	Flange Mount	M10 Copper	Zinc-Plated Steel	Key Seal and Cap

6



08080200

150A • SPST • IP65 • M10 Studs • Push to Off Compact Battery Disconnect Switch

Manual Battery Disconnect Switch features a push button for fast push to off operation in the event where a quick reaction is necessary.

Rotate knob for ON. Switch status is indicated though a window on the top of the knob.

For additional information visit: littelfuse.com/ManualBatterySwitches

PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	NOTES
BULK	BOXED								
08080200	08080200-BX	12-24V DC	150A	1200A at 5s	SPST	IP65	Through-Hole	M10 Silver-Plated Copper	Push to off



08081400

200A • SPST • IP67 • Marine Single Pole Main Battery Switch

Marine single pole main battery switch with a metal body. Heavy duty and resistant against corrosion, to be used on heavy trucks, farm tractors, buses, commercial vehicles end especially on boats.

Switch features 200A continuous current rating, removable handle,. the “V” shape of the terminals allows for easy cable connections, and reduces risk of arcing. This switch is also RINA ISO-8846 approved and is equipped a white rubber protection cap

For additional information visit: littelfuse.com/ManualBatterySwitches

PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	NOTES
BULK	BOXED								
08081400	08081400-BX	24V DC	200A	1000A at 5s	SPST	IP67	Through-Hole	M10 Brass	Removable Key

Battery Disconnect Switches



08098800

250A • SPST • IP65-IP69K • M10 Studs • Battery Disconnect Switch

Manual battery switch with removable or fixed handle and available with weather protective boots. For additional information visit: littelfuse.com/ManualBatterySwitches

08098800 - Base unit with removable handle

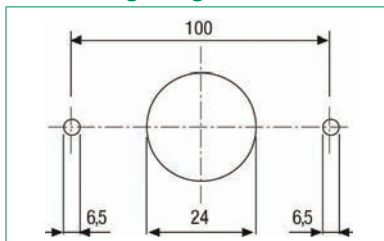
08098881 - Unit with removable handle and chain. Red and yellow rubber boots for weather protection and to help identify different applications. Interchangeable with Bosch 0341002003 switches

08098882 - Unit with fixed handle and integrated lock-out tag-out. Red, yellow and black rubber boots for weather protection and to help identify different applications. Latest design that does not require accessory for lockout tagout. Interchangeable with Bosch 0341002003 switches

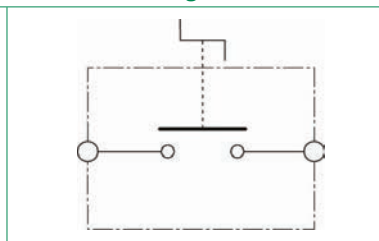


08098882

Mounting Diagram



Electrical Diagram



PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	TERMINAL HARDWARE	NOTES
BULK	BOXED									
08098800	08098800-BX	24V DC	250A	2500A at 3s	SPST	IP65	Flange Mount	M10 Copper	Zinc-Plated Steel	Removable Handle
08098881	08098881-BX	24V DC	250A	2500A at 3s	SPST	IP65/IP69k	Flange Mount	M10 Copper	Zinc-Plated Steel	Removable Handle w/ Chain, Keyhole Cover Red & Yellow Boots
08098882	08098882-BX	24V DC	250A	2500A at 3s	SPST	IP65/IP69k	Flange Mount	M10 Copper	Zinc-Plated Steel	Fixed Handle w/ Integrated Lock-Out Tag-Out Black, Red & Yellow Boots



08010200

250A • SPST • IP65 • Push to Off Battery Disconnect Switch

Manual Battery Disconnect Switch features a turn to on and a push to off operation. Easy to operate and shut off vehicle power in emergency situations.

Switch features and identical mounting pattern to metal body removable key switches so the same application has multiple options with minimal design changes.

For additional information visit: littelfuse.com/ManualBatterySwitches

PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	NOTES
BULK	BOXED								
08010200	08010200-BX	24V DC	250A	2500A at 3s	SPST	IP65	Flange Mount	M10 Silver Plated Copper	Push-to-Off



08010100

300A • SPST • IP65 • 360° Rotation Battery Disconnect Switch

Manual Battery Disconnect Switch features a fixed handle and metal body. The handle and contacts are designed with a unique 360° operation for activating the switch ON-OFF. The handle can be rotated either left or right to switch the circuit status. Switch is ON when handle is aligned with the terminals and OFF when perpendicular with the terminals.

For additional information visit: littelfuse.com/ManualBatterySwitches

PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	NOTES
BULK	BOXED								
08010100	08010100-BX	24V DC	300A	1000A at 10s	SPST	IP65	Flange Mount	M10 Copper	360° Handle Rotation

Battery Disconnect Switches



08098900

350A • SPST • IP65-IP69K • M12 Studs • Battery Disconnect Switch

Manual switches with a removable or fixed handle and weather protective boot depending on part number selected. For additional information visit: littelfuse.com/ManualBatterySwitches

08098900 - base unit with removable handle

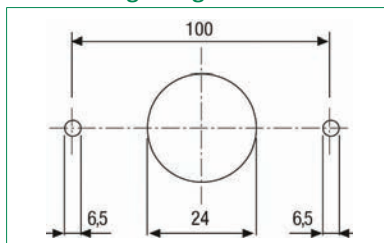
08098980 - switch with removable handle with black boot and chain

08098981 - switch with fixed handle and black boot

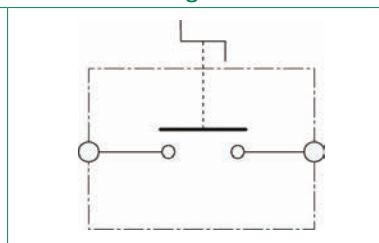


08098980

Mounting Diagram



Electrical Diagram



PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	TERMINAL HARDWARE	NOTES
BULK	BOXED									
08098900	08098900-BX	12-24V DC	350A	2500A at 3s	SPST	IP65	Flange Mount	M12 Silver-Plated Copper	Zinc-Plated Steel	Removable Handle
08098980	08098980-BX	12-24V DC	350A	2500A at 3s	SPST	IP65	Flange Mount	M12 Silver-Plated Copper	Zinc-Plated Steel	Removable Handle w/ Chain Keyhole Cover
08098981	08098981-BX	12-24V DC	350A	2500A at 3s	SPST	IP65/IP69K	Flange Mount	M12 Silver-Plated Copper	Zinc-Plated Steel	Fixed Handle w/ Black Boot

6



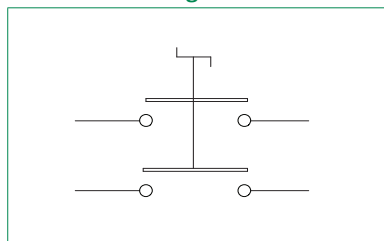
250-500A • DPST • IP67/IP69K • Dual Pole Battery Disconnect Switch

250A-500A Dual Pole manual battery master switch with removable or fixed handle. High performance design with industry leading mechanics and materials featuring modern advancements in the design evolution of manual battery disconnects.

- Smartkey allows handle to removable or fixed, locking it in either the OFF or ON position
- Protective rubber cap with an auto-protection feature ensures protection when the handle is removed

For additional information visit: littelfuse.com/ManualBatterySwitches

Electrical Diagram



08084300 & 08084400

PART NUMBERS		VOLTAGE	AMPERAGE	INTERMITTENT CURRENT	CIRCUITRY	INGRESS	MOUNTING	TERMINALS	TERMINAL HARDWARE	NOTES
BULK	BOXED									
08084300	08084300-BX	24V DC	250A	1000A at 2s	DPST	IP67/IP69K	Flange Mount	M10 Silver-Plated Copper	Nickel Plated Brass	-
08084400	08084400-BX	24V DC	500A	1500A at 2s	DPST	IP67/IP69K	Flange Mount	M12 Silver-Plated Copper	Nickel Plated Brass	-

Single-Pole Battery Switches



2484 Series • 175A • SPST • Single Pole Metal Body Battery Disconnect Switches

Designed to disconnect the battery circuit on 6-36V DC systems.

- Two positions: Off-On.
- Mounting Stem: Brass, 3/4" -16 thread with one of two lengths:
 - 23/32" (18.3mm) long, fits panels up to 3/16" (4.8mm) thick
 - 17/32" (13.5mm) long, fits panels up to 1/4" (6.4mm) thick
- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in/lbs
- Electrical ratings on UL labels are conservative

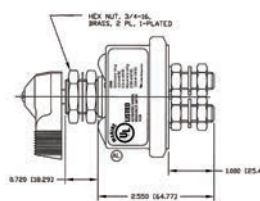
For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/2484



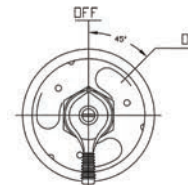
2484 with steel case and diecast lever



2484-03 with steel case and Hencol lock



Dimensions

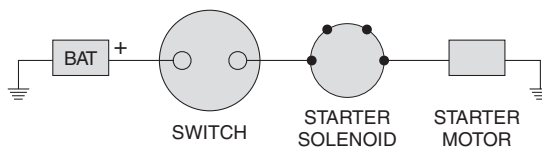


2-position lever model

PART NUMBERS			VOLTAGE	AMPERAGE		CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED			
BULK	BOXED	RETAIL		CONTINUOUS	INTERMITTENT			MATERIAL	SIZE									
2484	2484-BX	-	6V DC	40A	250A	Plated Steel	Two 3/8"-24	Brass	23/32 long	Lever	Copper				•			
			12V DC	20A	125A						Silver				•			
2484-16	2484-16-BX	-	6-36V DC	175A	800A (15s On-5m Off)					Hencol Key	Brass		•					
24024	-	-									Silver							
2484-A	2484-A-BX	-								Lever	Silver		•	•				
2484-06	2484-06-BX	-								Copper								
2484-09	2484-09-BX	-								Silver		•						
2484-02	2484-02-BX	-								Hencol Key	Silver		•	•				
2484-03	2484-03-BX	-									Silver		•	•				
2484-19	2484-19-BX	-									Silver		•	•	•			

6

SPST Wiring Diagram



75908

75908 Series • 300A • SPST • Single Pole High Current Battery Switches

Designed to disconnect the battery circuit on 6-36V DC systems. Two positions: Off-On.

- Mounting Stem: Brass, 3/4" -16 thread, 17/32" (13.5mm) long fits panels up to 1/4" (6.4mm) thick
- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in/lbs

For additional information visit: littelfuse.com/75908

PART NUMBERS			VOLTAGE	AMPERAGE		CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED
BULK	BOXED	RETAIL		CONTINUOUS	INTERMITTENT			MATERIAL	SIZE						
75908	75908-BX	-	12V DC	300A	2000A (30s On-3m Off)	Plated Steel	Two 1/2"-20	-	3/4-16 17/32" long	Lever	Copper			•	

Double-Pole Battery Switches



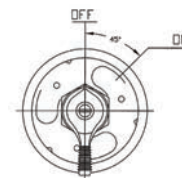
75900 Series • 125A • DPST • Double Pole Metal Body Battery Switches

Designed to disconnect the battery circuit and the alternator or generator field circuit on 6-36V DC systems.

- Mounting Stem: Brass, 3/4" -16 thread with one of two lengths:
 23/32" (18.3mm) long, fits panels up to 3/16" (4.8mm) thick
 17/32" (13.5mm) long, fits panels up to 1/4" (6.4mm) thick

- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in-lbs

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/75900



2-position lever model



75903 / 75904



75904-02 / 75904-03

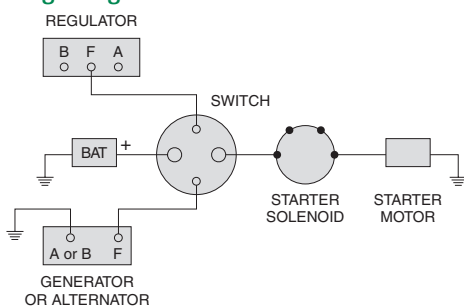


75912

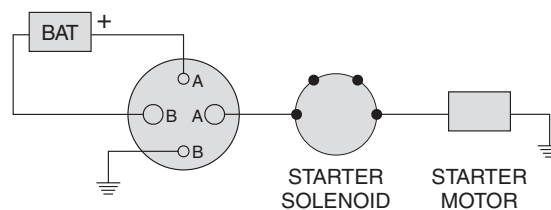
PART NUMBERS			VOLTAGE	AMPERAGE			CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED
BULK	BOXED	RETAIL		LARGE STUDS		SMALL STUDS			MATERIAL	SIZE						
				CONTINUOUS	INTERMITTENT	CONTINUOUS										
75903	75903-BX	-	6-36V DC	125A	1000A 15s On 5m Off	20A	Plated Steel	Two 3/8"-24 Two 10-32	Brass	3/4-16 23/32 long	Chrome Lever	Silver				
75904	75904-BX	-								3/4-16 17/32 long	Chrome Lever	Silver				
75904-01	75904-01-BX	-								Hencol Key	Silver	•	•	•		
75904-02	75904-02-BX	-								Hencol Key	Silver	•				
75904-03	75904-03-BX	-								Hencol Key	Silver	•	•			
75912	75912-BX	-			750A 15s On 5m Off	-		Four 3/8-24	-	3/4-16 23/32 long	Chrome Lever	Silver	•	•	•	

Note: 75912 has epoxy seal at case, mounting stem and indexing pin. Operating Temp: -40° to 85°F

DPST Wiring Diagram



75912 Wiring Diagram (For two high current loads)



75907

75907 Series • 300A • DPST • Double Pole High Current Battery Switches

Designed to disconnect the battery circuit and the alternator or generator field circuit on 6-36V DC systems. Two positions: Off-On.

- Mounting Stem: 3/4" -16 thread, 23/32" (18.3mm) long, fits panels up to 3/16" (4.8mm) thick
- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in-lbs

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/75907

PART NUMBERS			VOLTAGE	AMPERAGE			CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED
BULK	BOXED	RETAIL		LARGE STUDS		SMALL STUDS			MATERIAL	SIZE						
				CONTINUOUS	INTERMITTENT	CONTINUOUS										
75907	75907-BX	-	6-36V DC	300A	2000A (30s On-3m Off)	20A	Plated Steel	Two 1/2"-20 & Two 10-32	-	3/4-16 23/32 long	Diecast Lever	Copper	•		•	

Marine Battery Switches



M-284 Series • 175A • SPST • Single Pole Brass Marine Battery Switches

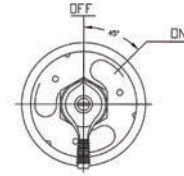


M-284-01

Designed to disconnect the battery circuit on 6-36V DC systems.

- Mounting Stem: Brass, 3/4" -16 thread, 1 13/32" (46.1mm) long fits panels up to 15/16" (23.8mm) thick
- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in/lbs
- M-284-09BP includes Faceplate 82065
- Electrical ratings on UL labels are conservative

For additional information visit: littelfuse.com/M-284



2-position lever model

PART NUMBERS			VOLTAGE	AMPERAGE		CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED
BULK	BOXED	RETAIL		CONTINUOUS	INTERMITTENT			MATERIAL	SIZE						
M-284	M-284-BX	M-284-BP	6-36V DC	175A	1000A (15s On-5m Off)	Brass	Two 3/8" (9.5mm Ø)	Brass	3/4-16 1 13/32" long	Lever	Copper				
M-284-A	M-284-A-BX	-								Lever	Silver				
M-284-01	M-284-01-BX	M-284-01-BP								Lever	Silver				•
M-284-02	M-284-02-BX	-								Dichromate Lever	Silver	•	•		
-	-	M-284-09-BP								Dichromate Lever	Silver	•	•		
M-284-26	-	-								Lever	Silver				
-	M-289-BX	-								Lever	Silver				

*M-284-09-BP Kit includes M-284-02 Switch and 82065 Faceplate.



M-290 Series • 125A • DPST • Double Pole Brass Marine Battery Switches



M-290-05

Designed to disconnect the battery circuit and the alternator or generator field circuit on 6-36V DC systems. Two positions: Off-On.

- Mounting Stem: Brass, 3/4" -16 thread with 1 13/32" (46.1mm) long, fits panels up to 15/16" (23.8mm) thick
- Torque: Mounting Stem 20 ft/lb max - 3/8" nuts 70-90 in-lbs
- M-290-05 is UL Listed to 707B

For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/7590X

PART NUMBERS			VOLTAGE	AMPERAGE			CASE	TERMINAL STUDS	MOUNTING STEM		ACTUATOR	CONTACTS	INDEXING PIN	O-RING SEAL	TERMINAL SEAL	UL LISTED
BULK	BOXED	RETAIL		LARGE STUDS		SMALL STUDS			MATERIAL	SIZE						
				CONTINUOUS	INTERMITTENT	CONTINUOUS										
M-290	M-290-BX	-	6-36V DC	125A			Brass	Two 3/8"-24 & Two 10-32	Brass	3/4-16 1 13/32" long	Lever	Silver				
M-290-01	M-290-01-BX	-	6-36V DC	125A	1000A (15s On-5m Off)	20A						Silver	•			
M-290-05	M-290-05-BX	-	6-36V DC	125A								Silver			•	

Battery Selector Disconnect Switches



M-750 • Dual Battery Selector / Master Disconnect Switch

For any vehicle that needs to use two batteries where one battery is used for starting the engine, while the other is used to power auxiliary loads. This is a common situation in trucks, boats, RVs, police and rescue vehicles, and in ambulances and fire equipment.

A selector switch allows use of the first battery, the second battery, or both batteries simultaneously. This provides back-up starting power in an emergency. Either or both batteries can be selected to supply power.

These switches combine the functions of Battery Selector and Master Disconnect Switches to give four battery power options:

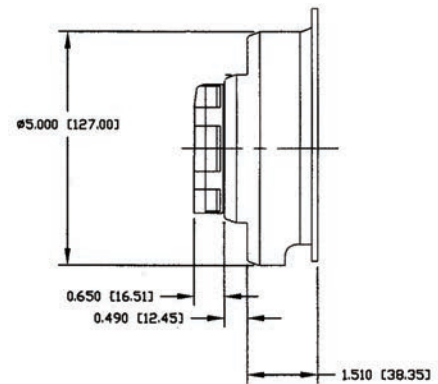
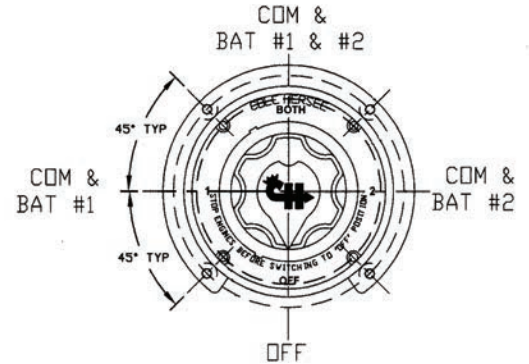
- Power cut off at the source.
- Power On, Battery 1.
- Power On, Battery 2.
- Power On, both Batteries.

Electrical Ratings

Labeled UL 707B. Rating: 500A intermittent, 310A continuous, 6-36V DC
 Electrical ratings on UL labels are conservative. Use with either alternators or generators. Make before break design permits operation through the three On positions with the engines running. Engines should always be shut down before turning to Off. Wiring instructions are included.

Heavy-Duty Construction

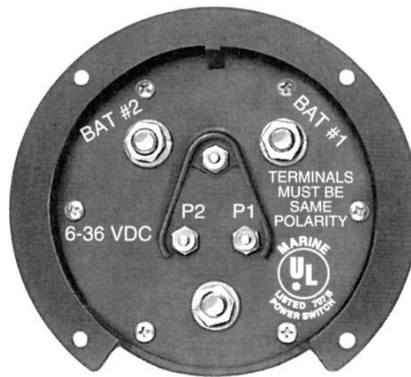
- Vaporproof, weather-, dust- and corrosion-resistant.
- Durable, fracture-resistant high temperature plastic case, knob and insulator.
- Switches conform to USCG section 183.410 for ignition protection. Resistant to impact, and temperature extremes.
- Heavy duty copper stud terminals, with brass hexnuts. Can be surface mounted, or installed through a 3 5/16" diameter hole in the panel
- Dimensions: Flange: 6" (152.4mm) diameter, overall height 2 5/8" (66.7mm).
 Terminals: 3 copper studs, 3/8" (9.5mm) diameter..
- Alternator field disconnect circuit switch. Prevents possible alternator diode failure if the switch is accidentally turned to Off with the engines running.



For datasheet, wiring diagram, and additional pack sizes visit: littelfuse.com/M750



M-750 Standard Switch



M-754 Back

M-754 Back is shown. Three small terminals in the middle are for connection to the pilot light circuit.

M-752 has two small terminals in the middle marked F1 and F2 for connection to the Alternator Field Disconnect circuit.

M-750 has no small terminals in the middle.

Full wiring instructions are included.

PART NUMBERS			VOLTAGE	AMPERAGE	TERMINALS	MOUNTING TYPE	SEALING	CERTIFICATION	ALTERNATOR FIELD DISCONNECT	PILOT CIRCUIT
BULK	BOXED	RETAIL CLAMSHELL								
M-750	-	M-750-BP	6-36V DC	500A intermittent 310A continuous	Copper Studs 3/8" (9.5mm) Brass hexnuts	Surface Mount Panel Mount (3 5/16" Ø hole)	Vaporproof, Weather-Resistant, Dust-Resistant, and Corrosion-Resistant	UL 707B		•
M-754	-	M-754-BP								

Metal Body Master Disconnect Switches - Accessories

Replacement levers, faceplates, terminal caps and lockout kits for Battery Disconnect Switches.



PART NUMBERS			DESCRIPTION	DESCRIPTION
BULK	BOX	RETAIL		
24505	24505-BX	—	Lockout Lever Kit	Lever and flange plate accept a padlock to securely lock a Disconnect Switch in the Off position. For use with lever actuated switches with a 3/4" Ø diameter mounting stem. Use a padlock with a 5/16" Ø shackle
24505-01	—	—	Lever	Battery Disconnect Switch Lock Out Kit w/Mounting Panel and Lever
80101-B	80101-B-BX	—	Lever	Replacement chrome-plated diecast lever
83353	83353-BX	—	Hencol Key	Replacement Hencol Key - Heavy gauge plated steel resists corrosion
82065	82065-BX	—	Faceplate	Polished aluminum with enamel finish - 2 1/2" (63.5mm) Ø
82065-02	82065-02-BX	—	Faceplate	With indexing hole - Polished aluminum with enamel finish - 2 1/2" (63.5mm) Ø

Battery Jumper Terminals and Feeder Studs

Battery Jumper Terminals are used to make easily-accessible battery connections, inside or outside the vehicle. They can be used individually or in pairs and are easy to install. Featuring solid brass posts, including a brass hexnut and lockwasher.

Feeder Studs bring power through bulkheads or firewalls and feature an impact-resistant plastic insulator/mounting bushing.

6



PART NUMBERS		VOLTAGE	DESCRIPTION	COLOR	TERMINAL/STUD SIZE	DIMENSIONS	NOTES
BULK	BOXED						
46210-02	46210-02-BX	6-48V DC	Terminal Post	Red	Terminal: 13/16" (20.6mm) Ø	—	Replacement Cap: 97846-A
46210-03	46210-03-BX	6-48V DC	Terminal Post	Black	1-1/8" (29.9mm) long	—	Replacement Cap: 97846-B
46211-R	46211-R-BX	6-36V DC	Feeder Stud	Red	Two 3/8" -16 threads	1 17/64" (32.1mm) Ø	—
46211-01	46211-01-BX	6-36V DC	Feeder Stud	Black	5/8" (15.9mm) long	5/8" (15.9mm) long	—



JBPT Single Stud Junction Blocks

Connection points for distribution of power in feed-thru and non-feed-thru styles. Simplifies cabling and serves as convenient tap points. Stainless steel studs of various threads and sizes, in red or black thermoplastic body. 3/8" zinc-plated steel studs have electrical rating of 400A and low resistance due to large contact area. High installation torque values allow the use of large cable sizes for high current applications.

PART NUMBERS			COLOR	FEED TYPE	STUD SIZE	MOUNTING BASE
BULK	BOXED	RETAIL				
JBPT2P01ZX	—	—	Red	Feed-Thru	1/2"-13	69.8 x 47.6mm
JBPT2N02ZX	—	—	Black	Non-Feed-Thru	1/2"-13	69.8 x 47.6mm
JBPT3P01ZX	—	—	Black	Feed-Thru	3/8"-18	52.4 x 19.1mm
JBPT3P02ZX	—	—	Black	Non-Feed-Thru	3/8"-18	52.4 x 19.1mm
JBPT3N03ZX	—	—	Black	Feed-Thru	3/8"-18	—
JBPT0001Z	—	—	Red	Feed-Thru	—	—

Ignition Switches



Littelfuse offers the broadest range of 12V to 48V Ignition Switches which are suitable for any application. Variations include those with plastic or traditional metal body, lever-actuated, tumbler keyed, or patented Hencol keyed.

Benefits of Anti-Restart Feature

Several ignition switches, including the 95060 series, feature an anti-restart mechanism. An operator can damage the starter motor if the ignition switch is inadvertently turned the when the engine is running. This can happen in noisy environments where it may be difficult to hear the engine. The switch must be turned to the Off position before the start circuit can be re-energized.

95060 – Not Just for Ignitions

The 95060 series is widely used in ignition systems. However, there are many other applications where a keyed, water-resistant rotary switch (two, three, or four positions) is required for 12V, 24V, or 36V systems

What is a Hencol Key?

Hencol is a Cole Hersee brand name used to describe our non-bitted common keys. Hencol keys are often used for ignition switches installed in forklifts or equipment that will have multiple operators. The non-bitted key allows any authorized user with a Hencol key to start and operator the vehicle.



The term Hencol is named after one of the Cole Hersee founders and is a mash-up of their name, Henry Cole.



Sealed Ignition Switches

95060 Series • 12-48V DC • Sealed Ignition Switches

Durable engineering thermoplastic construction withstands impact, and will not corrode, even on continual exposure to road salt. 95060 switches have integrated Deutsch-type connector for easy installs.

- Voltages: 10A at 12V, 5A at 24V, 3A at 36V and 2A at 48V
- Options: key boot, anti-restart, or spring return
- Sealing: contacts are sealed front and back to IP67 standard, with connector (p/n 31101) installed
- Ignition Protection: Tested to SAE J259 and UL-Recognized
- Deutsch connectors & Wires Part Number: 31101 (included in -50, -51 and -60 items)

- Actuators: single or multiple key codes, lever, knob or D-shaft.
 - Keyed switches ship with 2 keys (removable in Off position)
 - Replacement blanks: 83451-6 (600 series) or 83451-7 (700 series).
 - › CH601: Single tumbler code - all locks are identical
 - › Mixed: 200 random key codes
 - › 10 code: 10 random key codes
 - Lever: Chrome-plated diecast lever p/n 81254
 - Soft touch knob: p/n 81397
 - D-shaft: 1/4" D-shaft to accept customer's actuator

2D Prints and additional information: littelfuse.com/95060



95060 Series



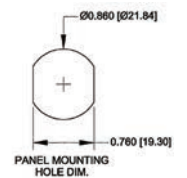
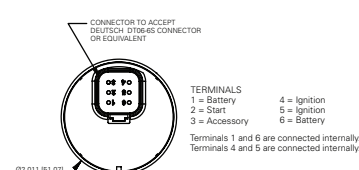
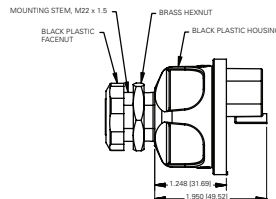
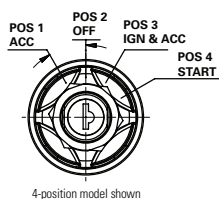
95061 Series



95062 Series

PART NUMBERS			TOTAL	POSITIONS				ACTUATOR	KEYS		HARNES	SPRING RETURN	ANTI-RESTART	SWITCH W/ HARNES (P/N 31101)	REPLACEMENT ACTUATOR OR KEY BLANK
BULK	BOXED	RETAIL		1	2	3	4		CODE	BOOT					
95060	95060-BX	-	4	Acc	Off	Ign/Acc	Start	Keys	Mixed	•	•	•		83451-6 or 83451-7	
95060-01	95060-01-BX	-		Acc	Off	Ign/Acc	Start	Keys	Mixed	•	•	•		83451-6 or 83451-7	
95060-02	-	-		Acc	Off	Ign/Acc	Start	Keys	Mixed	•				83451-6 or 83451-7	
95060-23	95060-23-BX	-		Acc	Off	Ign/Acc	Start	Keys	CH601			•		83451-6	
95060-24	-	-		Acc	Off	Ign/Acc	Start	Keys	CH601			•		83451-6	
95060-34	95060-34-BX	-		Acc	Off	Ign/Acc	Start	Keys	10 Codes			•		83451-6 or 83451-7	
-	-	95060-50-BP		Acc	Off	Ign/Acc	Start	Keys	10 Codes	•	•	•	95060	83451-6 or 83451-7	
-	95061-BX	-		Acc	Off	Ign/Acc	Start	Lever	-			•		81254	
-	95061-50-BX	-		Acc	Off	Ign/Acc	Start	Lever	-			•		81254	
95061-01	-	-		Acc	Off	Ign/Acc	Start	Lever	-			•	•	81254	
95062-10	-	-	Acc	Off	Ign/Acc	Start	Knob	-			•		81397		
-	95062-50-BX	-	Acc	Off	Ign/Acc	Start	Knob	-			•		81397		
95060-03	95060-03-BX	-	3	Off	Ign/Acc	Start	-	Keys	Mixed	•	•			83451-6 or 83451-7	
-	-	95060-60-BP		Off	Ign/Acc	Start	-	Keys	Mixed	•	•	•	95060-03	83451-6 or 83451-7	
95060-04	95060-04-BX	-		Off	Ign/Acc	Start	-	Keys	Mixed	•	•	•		83451-6 or 83451-7	
95060-21	-	-		Off	Ign/Acc	Start	-	Keys	10 Codes	•	•			83451-6 or 83451-7	
95060-26	-	-		Off	Ign/Acc	Start	-	Keys	CH601	•	•			83451-6 - no logo	
95060-36	-	-		Mom On 1	Off	Mom On 2	-	Keys	CH545			•		Yale Y13	
95060-43	-	-		Mom On 1	Off	Mom On 2	-	Keys	Mixed	•	•			83451-6 or 83451-7	
95061-04	95061-04-BX	-		Off	Ign/Acc	Start	-	Lever	-			•	•	81254	
95061-05	-	-		Off	Ign/Acc	Start	-	Lever	-			•		81254	
-	95061-60-BX	-		Off	Ign/Acc	Start	-	Lever	-			•	•	81254	
95061-36	95061-36-BX	-	Mom On 1	Off	Mom On 2	-	Lever	-			•		81254		
95062-13	-	-	Off	Ign/Acc	Start	-	Knob	-			•		81254		
95060-07	95060-07-BX	-	2	Off	Ign/Acc	-	-	Keys	Mixed	•				83451-6 or 83451-7	
95060-29	-	-		Off	Ign/Acc	-	-	Keys	CH601	•				83451-6	
95061-07	-	-		Off	Ign/Acc	-	-	Lever	-					81254	
95062-17	-	-		Off	Ign/Start	-	-	Knob	-					81397	
-	95062-57-BX	-		Off	Ign/Start	-	-	Knob	-			•		81397	
-	-	-													

Technical Details



Heavy Duty Ignition Switches

956 Series • Heavy Duty General Purpose Metal Body Ignition Switches

Dependable diecast zinc housing switches with an array of options for every application. Switches mount through the panel and have lever action or are keyed (hencol key or coded tumbler lock). On keyed switches the key is removable at Off position only.

- Two Terminal Options: Brass blade 1/4" (6.4mm) wide accept Delphi (Packard) connector 2962912 or equivalent
Screw Terminals include lock washers

- Two Mounting Sizes: 1"-24 bushings fit panels .030" - .090" (.76mm - 2.3mm)
3/4"-24 bushings fit panels .060" - .110" (1.5mm - 2.7mm)

2D Prints and additional information: littelfuse.com/IgnitionSwitches



Coded tumbler lock with 2 keys



Patented Hencol lock with 2 keys (83357)



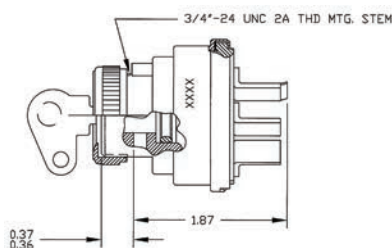
Short handle lever (81254)



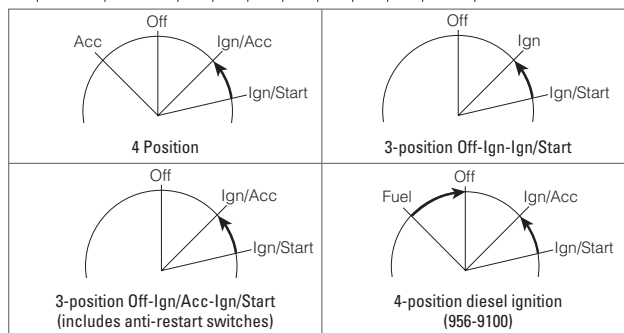
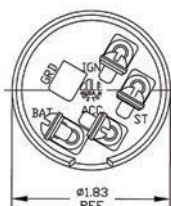
Military Lever (956-5109)

PART NUMBERS			AMP RATING (12V DC)					POSITIONS				ACTUATOR / KEY TYPE	TERMINALS	SPRING RETURN	ANTI-RESTART	GROUND TERMINAL	SEAL TYPE			BUSHING SIZE	REPLACEMENT KEY BLANK	
BULK	BOXED	RETAIL	ACC	IGN	START	GROUND	TOTAL	1	2	3	4						SILVER CONTACTS	SHUTTER LOCK	GASKET			O-RING
956-4100	956-4100-BX	-	10	10	5	1	4	Acc	Off	Ign/Acc	Ign/Start	Coded	4 blade	•			•			1"-24	Unavailable - OB	
956-4107	956-4107-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	Hencol	4 screw	•			•	•	•	1"-24	83357	
-	956-4111-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	S. Lever	4 blade	•						1"-24	81254	
956-4113	-	-	30	10	5	-		Acc	Off	Ign/Acc	Ign/Start	Hencol	4 blade	•			•		•	1"-24	83357	
956-4124	956-4124-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	S. Lever	4 screw	•				•	•	1"-24	81254	
956-4138	956-4138-BX	-	30	20	10	-		Acc	Off	Ign/Acc	Ign/Start	Coded	4 blade	•						1"-24	Unavailable - OB	
956-4141	956-4141-BX	-	30	20	10	-		Acc	Off	Ign/Acc	Ign/Start	Hencol	4 screw	•			•	•	•	1"-24	83357	
956-4154	956-4154-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	Coded	5 screw	•		•		•		1"-24	Unavailable - OB	
956-4307	956-4307-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	Hencol	4 screw	•			•	•	•	3/4"-24	83357	
956-4311	956-4311-BX	-	10	10	5	1		Acc	Off	Ign/Acc	Ign/Start	Coded	4 blade	•					•	3/4"-24	Unavailable - OB	
956-9100	956-9100-BX	-	10	5	5	-		Fuel	Off	Ign/Acc	Ign/Start	Hencol	5 screw	•				•	•	1"-24	83357	
956-3122	956-3122-BX	-	10	10	5	-	3	Off	Ign/Acc	Ign/Start	-	Coded	5 screw	•	•	•		•	•	•	1"-24	Unavailable - OB
956-3124	956-3124-BX	-	10	10	5	-		Off	Ign/Acc	Ign/Start	-	S. Lever	5 screw	•	•	•			•	1"-24	81254	
956-3125	956-3125-BX	-	30	10	10	-		Off	Ign/Acc	Ign/Start	-	Coded	4 screw	•	•				•	1"-24	Unavailable - OB	
956-3126	956-3126-BX	-	10	10	5	-		Off	Ign/Acc	Ign/Start	-	Hencol	4 screw	•	•				•	1"-24	83357	
956-3127	956-3127-BX	-	30	10	10	-		Off	Ign/Acc	Ign/Start	-	S. Lever	3 screw	•	•				•	1"-24	81254	
956-3135	-	-	10	10	5	1		Off	Ign/Acc	Ign/Start	-	S. Lever	5 screw	•						1"-24	n/a	
956-5109	956-5109-BX	-	20	10	10	-		Off	Ign/Acc	Ign/Start	-	Mil. Lever	4 screw	•			•		•	1"-24	n/a	
956-5124	-	-	10	10	5	-		Off	Ign/Acc	Ign/Start	-	Hencol	4 screw	•					•	3/4"-24	83357	
956-5307	956-5307-BX	-	10	10	5	1		Acc	Off	Ign/Acc	-	Hencol	3 screw	•					•	3/4"-24	83357	
956-6307	-	-	10	10	-	-		Acc	Off	Ign/Acc	-	Hencol	3 screw	•					•	3/4"-24	83357	
956-6310	-	-	30	10	-	-		Acc	Off	Ign/Acc	-	Hencol	3 screw	•					•	3/4"-24	83357	

Typical Hencol Switch Dimensions



5 Screw Terminals



General Purpose Ignition Switches

95 Series • General Purpose Metal Body Ignition Switches



- Zinc diecast housing
- Coded tumbler locks (2 keys)
- Screw terminals with lock washers
- Fit panels up to 3/8" (9.5mm)
- Key removable at Off positions (except 9518)
- Spring return to IGN or IGN/ACC on all switches.† (except 9578)

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)				POSITIONS				ACTUATOR / KEY TYPE	TERMINALS	O-RING SEAL	BUSHING SIZE	NOTES	REPLACEMENT KEY BLANK
BULK	BOXED	RETAIL	ACC	IGN	START	TOTAL	1	2	3	4						
9579	9579-BX	9579-BP	10	10	5	4	Acc	Off	Ign/ACC	Ign/Start	Coded	4 screw		3/4"-20	-	-
9579-02	9579-02-BX	-	10	10	5	4	Acc	Off	Ign/ACC	Ign/Start	Coded	4 screw		3/4"-20	Key code CH-505	-
9513	9513-BX	-	-	10	5	3	Off	Ign	Ign/Start	-	Coded	3 screw		3/4"-20	-	-
9578	9578-BX	-	10	10	-	3	Acc	Off	Ign/ACC	-	Coded	3 screw		3/4"-20	-	-
95539	95539-BX	-	10	1	5	3	Off	Run	Start	-	Coded	4 screw		3/4"-20	1A Magneto	-
95582	95582-BX	-	-	10	5	3	Off	Ign	Ign/Start	-	Coded	3 screw	•	3/4"-20	-	-
9577	9577-BX	-	10	-	-	2	Off	On (Ign)	-	-	Coded	2 screw		3/4"-20	-	-
95535	95535-BX	-	10	5	5	-	Acc	Off	Ign/ACC	Ign/Start	Key	4 screw		13/16"	-	-
95593	95593-BX	-	10	10	-	-	Rev	Off	Run	-	Key	3 screw		3/4"	-	-

† Switch does not have a spring return to IGN or IGN/ACC feature.

95 Series • General Purpose Metal Body Ignition Switches



- Zinc diecast housing
- Military style lever
- Screw terminals with lock washers
- Fit panels up to 11/64" (4.4mm)
- Spring return to IGN or IGN/ACC on all switches

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)				POSITIONS				ACTUATOR / KEY TYPE	TERMINALS	O-RING SEAL	BUSHING SIZE	NOTES
BULK	BOXED	RETAIL	ACC	IGN	START	TOTAL	1	2	3	4					
95634-01	95634-01-BX	-		10	5	3	Off	Ign	Ign/Start	-	Mil. Lever	3 screw	•	3/4"-20	-
95633-A	95633-A-BX	-	10	10		2	Off	Ign/ACC	-	-	Mil. Lever	3 screw		3/4"-20	Moisture & fungus-resistant per MIL-JAN-T-152

95 Series • General Purpose Metal Body Ignition Switches



- Plated steel housing
- Hencol locks (2 keys)
- Screw terminals with lock washers
- Fit panels up to 1/8" (3.2mm)
- Key removable at Off positions
- Spring return to IGN or IGN/ACC on all switches

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)				POSITIONS				ACTUATOR / KEY TYPE	TERMINALS	SILVER CONTACTS	O-RING SEAL	BUSHING SIZE	REPLACEMENT KEY BLANK
BULK	BOXED	RETAIL	ACC	IGN	START	TOTAL	1	2	3	4						
95525-A	95525-A-BX	-	10	10	5	4	Acc	Off	Ign/ACC	Ign/Start	Hencol	4 screw		•	5/8"-32	83357
95524-A	95524-A-BX	-	-	10	5	3	Off	Ign	Ign/Start	-	Hencol	3 screw		•	5/8"-32	83357
95522-A	-	-	-	10	-	2	Off	On/Ign	-	-	Hencol	2 screw		•	5/8"-32	83357

General Purpose Ignition Switches



95 Series • General Purpose Metal Body Ignition Switches

- Plated steel housing
- Lever actuator (short or long)
- Fit panels up to 1/8" (3.2mm)
- Spring return to IGN or IGN/ACC on all switches

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)			POSITIONS			ACTUATOR / KEY TYPE	TERMINALS	SILVER CONTACTS	O-RING SEAL	BUSHING SIZE	NOTES
BULK	BOXED	RETAIL	IGN	START	TOTAL	1	2	3						
95591	95591-BX	-	10	5	3	Off	Ign/Acc	Ign/Start	Lever	4 screw	•	•	5/8"-32	Zinc Diecast Lever
95610	95610-BX	-	25	20	3	Off	Ign	Ign/Acc	Short Lever	3 screw	•	•	5/8"-32	Short Chrome Lever
95612	95612-BX	-	25	20	3	Off	Ign	Ign/Acc	Short Lever	3 screw	•	•	5/8"-32	Short Chrome Lever
-	95613-BX	-	20	20	3	Off	Ign	Ign/Acc	Short Lever	3 blade	•	•	5/8"-32	Short Chrome Lever



95 Series • General Purpose Metal Body Ignition Switches

- Plated steel housing
- Hencol locks come with 2 keys
- Screw terminals come with lock washers
- Fit panels up to 1/4" (6.4mm)
- Key removable at Off positions
- Spring return to IGN or IGN/ACC on all switches

2D Prints and additional information: littelfuse.com/IgnitionSwitches

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PART NUMBERS			AMP RATING (12V DC)			POSITIONS			ACTUATOR / KEY TYPE	TERMINALS	SILVER CONTACTS	O-RING SEAL	BUSHING SIZE	NOTES	REPLACEMENT KEY BLANK
BULK	BOXED	RETAIL	IGN	START	TOTAL	1	2	3							
95521-B	95521-B-BX	-	25	70	3	Off	Ign	Start	Long Hencol	3 screw	•	•	5/8"-32	-	83353
95521-01	95521-01-BX	-	25	70	3	Off	Ign	Start	Lever	3 screw	•	•	5/8"-32	Dichromate Lever	80101-A
95033	95033-BX	-	50	10	3	Glow	Off	Glow/Start	Lever	3 screw	•	•	5/8"-32	50A Glow - Diesel	80101-A
95597	95597-BX	-	50	-	2	Off	On (Ign)	-	Long Hencol	2 screw	•	•	5/8"-32	Heavy-Duty	83353
M-288	M-288-BX	-	50	-	2	Off	On (Ign)	-	Lever	2 screw	•	•	5/8"-32	Heavy-Duty	-



Level Lock Ignition Switch (9500)



Coded tumbler lock with 2 keys (9622-01)

5A-10A Compact Ignition Switches

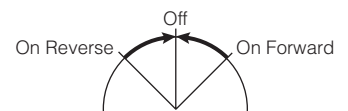
- Key removable at Off and On
- 3/4" -24 mounting stem fits panels to 3/4" (19.1mm)
- Compact - Plated steel case, stainless steel bezel & face washer

PART NUMBERS			RATING	POSITIONS			ACTUATOR / KEY TYPE	TERMINALS	MOUNTING STEM
BULK	BOXED	RETAIL		TOTAL	1	2			
9500	9500-BX	-	10A at 12V DC	2	Off	On (Ign)	Lever	2 screw	1/2"-20 fits panels to 13/64" (5.2mm)
9622-01	9622-01-BX	-	5A at 12V DC	2	Off	On (Ign)	Tumbler Key Coded	2 screw	3/4"-24



10A Reversing Switch with Tumbler Key

Reversing Switch in a plated steel case. Key is removable in Off position only with Spring return to Off. O-ring seal in mounting stem.



PART NUMBERS			RATING	POSITIONS			ACTUATOR / KEY TYPE	TERMINALS	BUSHING SIZE	
BULK	BOXED	RETAIL		TOTAL	1	2				3
75705-01	75705-01-BX	-	10A at 12V DC	3	Mom Forward	Off	Mom Reverse	Coded	3 screw	13/16"-24



M-712 • M-550 • M-489



M-712-09 • M-550-14

Marine or General Purpose Brass Body Keyed Ignition Switches

Marine switches are highly suitable for harsh environments on land or at sea. They are corrosion-resistant, with brass cases. Moisture-repellent insulators, coded locks with 2 brass keys.

- Brass housing and mounting hardware, chrome-plated brass facenut.
- Coded tumbler locks (2 keys)
- Screw terminals with lock washers
- Fit panels up to 1" (25.4mm)
- Key removable at Off positions
- Spring return to IGN or IGN/ACC on all switches

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)				POSITIONS				ACTUATOR / KEY TYPE	TERMINALS	BUSHING SIZE	NOTES	REPLACEMENT KEY BLANK
BULK	BOXED	RETAIL	ACC	IGN	START	TOTAL	1	2	3	4					
M-6110-05	-	-	-	10	5	3	Off	Ign	Ign/Start	-	Coded Key	3 screw	13/16"-24	Bitted CH-523 Code	
M-700	M-700-BX	-	-	5	5	4	Acc	Off	Ign/ACC	Ign/Start	Coded Key	4 screw	3/4"	Bitted Mixed Codes	
M-712	M-712-BX	M-712-BP	10	5	5	4	Acc	Off	Ign/ACC	Ign/Start	Coded Key	4 screw	13/16"-24		
M-712-09	M-712-09-BX	M-712-09-BP	10	5	5	4	Acc	Off	Ign/ACC	Ign/Start	Coded Key	4 screw	13/16"-24	Rubber Boot	
M-550	M-550-BX	M-550-BP	-	10	5	3	Off	Ign	Ign/Start	-	Coded Key	3 screw	13/16"-24		
M-550-14	M-550-14-BX	M-550-14-BP	-	10	5	3	Off	Ign	Ign/Start	-	Coded Key	3 screw	13/16"-24	Rubber Boot	
M-489	M-489-BX	M-489-BP	-	10	-	2	Off	On/Ign	-	-	Coded Key	2 screw	13/16"-24		
M-489-03	-	-	-	10	-	2	Off	On/Ign	-	-	Coded Key	2 screw	13/16"-24	Keyhole shutter	



M-497

Marine or General Purpose Brass Body Lever Ignition Switches

Marine switches are highly suitable for harsh environments on land or at sea. They are corrosion-resistant, with brass cases.

- Brass housing and mounting hardware, chrome-plated diecast long lever.
- Fit panels up to 7/8" (22.2mm)

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			AMP RATING (12V DC)		POSITIONS		ACTUATOR / KEY TYPE	TERMINALS	BUSHING SIZE
BULK	BOXED	RETAIL	IGNITION	TOTAL	1	2			
M-497	M-497-BX	-	10	2	Off	On/Ign	Lever	2 screw	1/2'-20



M-850

15A Marine Plastic Body Ignition Switches

Durable plastic case and stem with PVC boot for added weather protection. Key is removable only in the Off position. Off-Run-Start Spring return to IGN.

- Electrical ratings at 6-36V DC: 15A ignition, 5A start
- Mounting stem fits panels up to 7/8" (22.2mm) thick, with 7/8" diameter hole

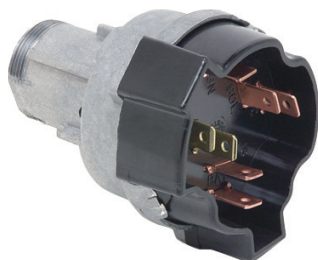
2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			POSITIONS			ACTUATOR	TERMINALS	SPRING RETURN	MOUNTING STEM	REPLACEMENT KEY
BULK	BOXED	RETAIL	1	2	3					
M-850	M-850-BX	M-850-BP	Off	Run	Ign/Start	Key	3 screw	•	Fits panels to 7/8" (22.2mm) with 7/8" Ø hole	-

Ignition Switches

Delco Replacement Ignition and Start Switches

Replacement switches sold without a lock cylinder. To receive a new lock cylinder and 2 keys order part number 95874. Both part numbers feature a 1"-24 UNS-2A thread and key is only removable in Off position.



- 7 Blade Terminals accept Delphi (Packard) 6288702. Includes 2 ground terminals for checking indicator bulbs. 1 additional battery terminal provides continuous hotfeed for optional equipment.
- Replaces Delco D-1403-A, D-1406-A, D-1480, D-1498-A, • Chevrolet Trucks 67-83, 85-89, GMC 1116712, 1116683, 1116695, 1116704, 1116709, 1116711, 2234285 • GMC Trucks 67-83, 85-89

2D Prints and additional information: littelfuse.com/IgnitionSwitches

PART NUMBERS			POSITIONS				ACTUATOR	TERMINALS	SPRING RETURN	GROUND TERMINAL	O-RING
BULK	BOXED	RETAIL	1	2	3	4					
95410	-	-	Acc	Off	Ign/Acc	Ign/Start/Ground	None	7 screw	•	•	•

Ignition Switch Keys, Protective Boots, Caps, Facenuts and Cover Accessories

7



83353 - Long Hencol Key



83357 - Short Hencol Key



83379 - 500 Series Blank Tumbler Key



83285-01 & 83288 - Protective Boot



8367 - Face nut



98635-01 - Key Cover

PART NUMBERS			MATERIAL	DESCRIPTION
BULK	BOX	RETAIL		
31101	31101-BX	-	Harness	Harness populated with Wires that mates to the 95060 Series Switches
83353	83353-BX	-	Heavy Gauge Steel Plated	Hencol L Long Key
83357	83357-BX	-	Heavy Gauge Steel Plated	Hencol S Short Key
83274	-	-	Aluminum	Face Nut
83379	83379-BX	-	Brass	Design for 95 Series & M-XXX Marine Switches
83285-01	-	-	Aluminum	Mounting nut containing a rubber self-closing key slot - 3/4"-20 threads 7/16" thick
-	83288-BX	83288-BP	Chrome Brass	Mounting nut containing a rubber self-closing key slot - 13/16"-24 thread 7/32" thick
8367	8367-BX	-	Aluminum	Face Nut Knurled Edges - 3/4"-20 thread 19/64" thick - Clears 5/8" Hole
98635-01	-	-	Plastic	Black Slip-On Cover for Tumbler Keys 83379

Anti-Restart Ignition Switches

What Are They, and Where Should They Be Used?



The 95060 and 956 Series Ignition Switches include an Anti-Restart safety feature. On occasion, vehicle operators do not realize the engine is running and turn on the ignition resulting in a squealing and grinding of gears. If this happens repeatedly, the starter motor will likely burn out. Cole Hersee Anti-Restart Ignition Switches prevent this from happening.



95060

How They Work

Most regular Ignition Switches have three positions.



Off: key can be removed. Ignition and accessories (radio, lights etc) are activated when the key is in.

Momentary Start position runs the starter motor. This position is spring-loaded to return to position 2 once the engine is running. If the Ignition Switch is in position 2 and you think it's in position 1, you may be tempted to turn it to position 3 while thinking it is in position 2. This results in the grinding sound. Cole Hersee Anti Restart Ignition Switches prevent the operator from turning to Position 3 when the engine is

running. This safeguard against burnt-out motors can be retrofitted into any kind of vehicle, such as forklifts or mining vehicles where the ambient noise is high. This kind of 'lockout ignition' is available with a standard ignition key or with a lever for off-road applications.

For additional information, 2D Prints and more: littelfuse.com/IgnitionSwitches



956-3122



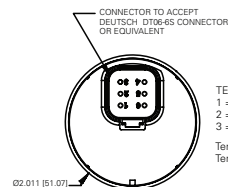
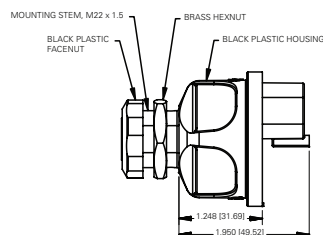
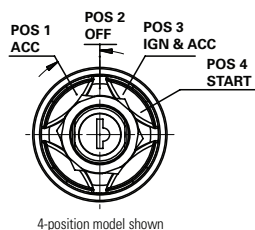
95061



956-3124



95062



TERMINALS
1 = Battery
2 = Start
3 = Accessory
4 = Ignition
5 = Ignition
6 = Battery
Terminals 1 and 6 are connected internally.
Terminals 4 and 5 are connected internally.

Rocker Switches



What is Dependent and Independent Illumination?

Dependent:

The actuator is illuminated only when the switch is turned on.

Independent:

Illumination is not affected by the actuation of the switch. The illumination can be switched on or off by another switch, such as headlight or interior lighting controls. This is especially useful when locating switches in the dark.

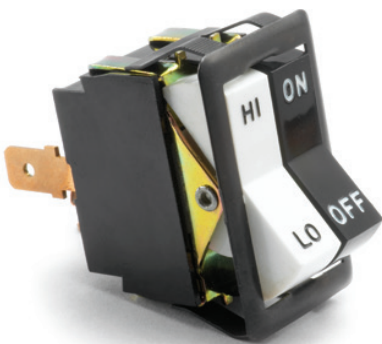


What Does SPST or DPST Mean?

The first two letters, SP or DP, refer to single pole or double pole. The second two letters, ST or DT refer to single throw or double throw.

Pole refers to the number of circuits controlled by the switch. SP switches control one circuit and DP switches control two independent circuits (which act like two identical switches that are mechanically linked). Pole is often confused with terminal, which is a common mistake. Terminals are used for wire connections on the back of the unit and are specified separately.

Throw refers to the extreme position of the actuator. ST switches close a circuit at only one position and the other position is off. DT switches close a circuit in the Up position, as well as the down position and can be configured with two positions (On-On) or three positions (On-Off-On).

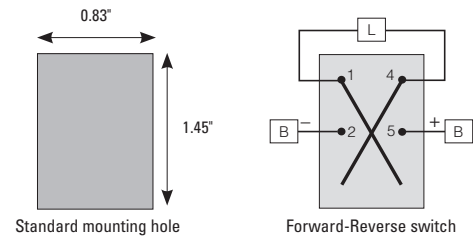


Sealed Rocker Switches

25A LED Sealed Rocker Switches

- Weather-resistant with contact areas sealed to IP66 (high pressure wash resistant)
- Super-bright LED illumination and high-visibility wrap-around lenses
- LEDs give visibility, even in sunlight and have a long life
- Silver contacts and corrosion-resistant nickel-plated brass blades for superior performance and electrical contact

2D Prints and additional information: littelfuse.com/RockerSwitches



58312-A2 & A4



58312-R2 & R4



58312-C4



58312-G4



58312-AG

PART NUMBERS			RATING	POLE & THROW	ACTION	ILLUMINATION	LED PILOT LIGHTS		TERMINALS	CONTACTS	SEALING
BULK	BOXED	RETAIL CLAMSHELL					LENS COLOR 1	LENS COLOR 2			
58312-R2	-	-	25A at 12V DC	SPST	On-Off	Independent	Red	-	4 blade	Silver	IP66
58312-A4	58312-A4-BX	-	25A at 12V DC	SPST	On-Off	Dependent	Amber	-	3 blade	Silver	IP66
58312-C4	-	-	25A at 12V DC	SPST	On-Off	Dependent	Clear	-	3 blade	Silver	IP66
58312-G4	58312-G4-BX	-	25A at 12V DC	SPST	On-Off	Dependent	Green	-	3 blade	Silver	IP66
58312-R4	58312-R4-BX	-	25A at 12V DC	SPST	On-Off	Dependent	Red	-	3 blade	Silver	IP66
58312-AG	58312-AG-BX	-	25A at 12V DC	SPDT	On-Off-On	Dependent	Amber	Green	4 blade	Silver	IP66

Note: 24V DC versions can be made available for volume exceeding 1000 pieces. Please contact Littelfuse for more details.



25A & 15A Non-Illuminated Sealed Rocker Switches

- Weather-resistant with contact areas sealed to IP66 (high pressure wash resistant)
- Silver contacts and corrosion-resistant nickel-plated brass blades for superior performance and electrical contact

PART NUMBERS			RATING	POLE & THROW	ACTION	TERMINALS	CONTACTS	SEALING	NOTES
BULK	BOXED	RETAIL CLAMSHELL							
58311-01	-	-	25A at 12V DC 15A at 24V DC	SPST	On-Off	2 blade	Silver	IP66	
58311-02	-	-		SPST	Mom On-Off	2 blade	Silver	IP66	
58311-07	-	-		DPDT	On-Off-On	6 blade	Silver	IP66	
58311-08	-	-		DPDT	On-On	6 blade	Silver	IP66	
58311-11	-	58311-11-BP		DPDT	On-Off-On	4 blade	Silver	IP66	Forward & Reverse
58311-13	58311-13-BX	-		DPDT	Off-On-Mom On	4 blade	Silver	IP66	Ignition & Start
58311-18	-	58311-18-BP		DPDT	Mom On-Off-Mom On	4 blade	Silver	IP66	Forward & Reverse
58336	-	-		SPST	On-Off (Lockable)	2 blade	Silver	IP66	Black Rocker and Orange Lock
58337	-	-		DPDT	Open-Off-Close	2 blade	Silver	IP66	Black Rocker with White Text "Open - TARP - Close"

Sealed Rocker Switches



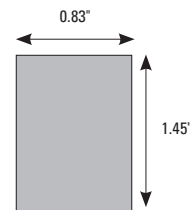
58328-01



58328-02

58328 Series • 25A Incandescent Pilot Light Rocker Switches

- Series available with small pilot lights, large pilot lights or unlit
- Dependent or independent illumination
- Faceted lenses are on the actuator
- Matte black finish on the plastic housing, bezel and actuator
- Brass blade or screw terminals available
- See accessories section for bezels and mounting kits



Standard mounting hole

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	ILLUMINATION	LED PILOT LIGHTS		TERMINALS	CONTACTS	SEALING
BULK	BOXED	RETAIL CLAMSHELL					LENS COLOR 1	LENS COLOR 2			
58328-01	58328-01-BX	-	25A at 12V DC	SPST	On-Off	Independent	Red	-	4 blade	Silver	IP66
58328-02	-	-		SPST	On-Off	Independent	Green	-	4 blade	Silver	IP66
-	-	58328-101-BP		SPST	On-Off	Independent	One lens of each color	-	4 blade	Silver	IP66
58328-04	58328-04-BX	-		SPST	On-Off	Dependent	Red	-	3 blade	Silver	IP66
58328-11	58328-11-BX	-		SPST	On-Off	Dependent	Green	-	3 blade	Silver	IP66
-	58328-12-BX	-		SPST	On-Off	Dependent	Clear	-	3 blade	Silver	IP66
58328-13	58328-13-BX	-		SPST	On-Off	Dependent	Amber	-	3 blade	Silver	IP66
58328-55	-	-		SPST	On-Off	Dependent	Blue	-	3 blade	Silver	IP66
58328-58	-	-		SPST	On-Off	Dependent	Red	-	3 blade	Silver	IP66
58328-62	-	-		SPST	On-Off	Dependent	Amber	-	3 blade	Silver	IP66
-	-	58328-100-BP		SPST	On-Off	Dependent	One lens of each color	-	3 blade	Silver	IP66
58328-35	58328-35-BX	-		SPDT	On-Off-On	Dependent	Red	Amber	4 blade	Silver	IP66
-	-	58328-103-BP		SPDT	On-Off-On	Dependent	One lens of each color	-	4 blade	Silver	IP66

58332 Series • 20A Sealed Rocker Switches

58332 switches are supplied in retail BP only and are supplied with one black and one gray snap-on actuator. These general-purpose switches are suitable for all kinds of applications.

- They are weather-resistant with contact areas sealed to IP66 (high pressure wash-resistant).
- Recognized at UL 1500 (Ignition protection for marine products). With neoprene gasket/panel seal.
- Conveniently snap into a standard rectangular mounting hole 1.48" x 0.83" (36.8 x 21.1mm) in panels from 0.09" to 0.19" thick (2.4 x 4.7mm).
- Plastic housing, bezel and actuator.
- Silver contacts, Brass blade terminals.

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS BOXED	RATING	POLE & THROW	ACTION	ILLUMINATION	LED PILOT LIGHTS		TERMINALS	CONTACTS	SEALING
					LENS COLOR 1	LENS COLOR 2			
58332-04-BP	25A at 12V DC	SPST	On-Off	Independent	Green	Red	4 Blade	Silver	UL1500 IP66
58332-20-BP		SPST	Mom On-Off		-	-	2 Blade		
58332-21-BP		SPDT	On-Off-On		Amber	Amber	4 Blade		
58332-22-BP		SPDT	Mom On-Off-Mom On		-	-	3 Blade		
58332-23-BP		SPDT	On-Off-Mom On		Amber	-	3 Blade		
58332-25-BP		DPDT	On-Off-Mom On		Amber	-	7 Blade		
58332-26-BP		DPDT	On-Off-On		Amber	Amber	7 Blade		
58332-27-BP		DPDT	Mom On-Off-Mom On		-	-	6 Blade		
58332-28-BP		DPST	Mom On-Off		-	-	5 Blade		
58332-29-BP		DPST	On-Off		Amber	-	5 Blade		
58332-30-BP		SPDT	On-Off-On		Amber	Amber	4 Blade		
58332-31-BP		SPDT	On-Off-Mom On		Amber	-	4 Blade		
58332-32-BP		DPDT	On-Off-Mom On		Amber	-	7 Blade		
58332-33-BP		DPDT	On-Off-On		Amber	Amber	7 Blade		
58332-34-BP		DPDT	On-Off		Amber	-	5 Blade		

Sealed Rocker Switches

56327 & 58327 Series • 25A Small Round Lens Pilot Light Rocker Switches



56327-01



58327-06

- Series available with small pilot lights, large pilot lights or unlit
- Dependent or independent illumination
- Faceted lenses are on the actuator
- Matte black finish on the plastic housing, bezel and actuator
- Brass blade or screw terminals available
- See accessories section for bezels and mounting kits

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	ILLUMINATION	LED PILOT LIGHTS		TERMINALS	CONTACTS	SEALING	DIAGRAM page 82
BULK	BOXED	RETAIL CLAMSHELL					LENS COLOR 1	LENS COLOR 2				
56327-01	56327-01-BX	56327-01-BP	25A at 12V DC	SPST	On-Off	Dependent	Red		3 screw	Silver	IP66	F
58327-01	58327-01-BX	58327-01-BP		SPST	On-Off	Dependent	Red		3 blade	Silver	IP66	F
58327-06	58327-06-BX	58327-06-BP		SPDT	On-Off-On	Dependent	Red	Red	4 blade	Silver	IP66	J

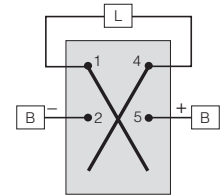


56027-01

56027 & 58027 Series • 25A Non-Illuminated Rocker Switches

- Series available with small pilot lights, large pilot lights or unlit
- Matte black finish on the plastic housing, bezel and actuator
- Brass blade or screw terminals available
- See accessories section for bezels and mounting kits

2D Prints and additional information: littelfuse.com/RockerSwitches



Forward-Reverse switch

PART NUMBERS			RATING	POLE & THROW	ACTION	TERMINALS	CONTACTS	SEALING	NOTES
BULK	BOXED	RETAIL CLAMSHELL							
56027-01	56027-01-BX	56027-01-BP	25A at 12V DC	SPST	On-Off	2 screw	Silver	IP66	-
58027-01	58027-01-BX	-		SPST	On-Off	2 blade	Silver	IP66	-
58027-02	58027-02-BX	58027-02-BP		SPST	Mom On-Off	2 blade	Silver	IP66	-
58027-03	58027-03-BX	58027-03-BP		SPDT	On-Off-On	3 blade	Silver	IP66	-
58027-04	58027-04-BX	58027-04-BP		SPDT	Mom On-Off-Mom On	3 blade	Silver	IP66	-
58027-06	58027-06-BX	-		DPST	On-Off	4 blade	Silver	IP66	-
58027-07	58027-07-BX	58027-07-BP		DPDT	On-Off-On	6 blade	Silver	IP66	-
58027-08	-	-		DPDT	On-On	6 blade	Silver	IP66	-
58027-11	58027-11-BX	58027-11-BP		DPDT	Mom On-Off-Mom On	6 blade	Silver	IP66	-
58027-18	58027-18-BX	-		DPDT	Mom On-Off-Mom On	4 blade	Silver	IP66	Forward & Reverse

Dual & Wide Body Rocker Switches

25A Wide Body Dual Rocker Switches



- Two Single Pole switches in one body
- Universal application switches
- Snap-in mounting
- Silver contacts, copper blade terminals
- Black or white actuators, imprinted in contrasting black or white
- Snaps into panel hole 1.0" x 1.125" (25.4x28.6mm) and fits panels .030" thru .250" thick (.76 - 6.35mm)

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS			RATING	LEFT SWITCH			RIGHT SWITCH			TERMINALS	BEZEL WIDTH
BULK	BOXED	RETAIL CLAMSHELL		ACTION	ACTUATOR	PRINT	ACTION	ACTUATOR	PRINT		
54204-01	-	-	10A at 12V DC	On1-Off-On2	Black Rocker	Hi, Lo	On1-Off-On2	Black Rocker	Hi, Lo	6 Blade	Wide

Sealed Rocker Switches



M-58031 Series • 20A Rocker Switches

- Certified to IP66 for protection against dust and prolonged spray
- Recognized at UL 1500: Ignition Protection for Marine Products
- Neoprene gasket/panel seal with black nylon bezel and black plastic housing
- 20A at 12V DC. Blade terminals, silver contacts

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	TERMINALS	CONTACTS	SEALING
BULK	BOX	RETAIL CLAMSHELL						
M-58031-01	M-58031-01-BX	M-58031-01-BP	20A at 12V DC	SPST	On-Off	2 Blade	Silver	IP66
M-58031-02	–	M-58031-02-BP	20A at 12V DC	SPDT	On-Off-On	3 Blade	Silver	IP66
M-58031-04	–	M-58031-04-BP	20A at 12V DC	DPST	On-Off	4 Blade	Silver	IP66
M-58031-07	–	M-58031-07-BP	20A at 12V DC	SPST	Mom On-Off	2 Blade	Silver	IP66
M-58031-08	–	–	20A at 12V DC	SPDT	Mom On-Off-Mom On	3 Blade	Silver	IP66
M-58031-09	M-58031-09-BX	–	20A at 12V DC	DPDT	Mom On-Off-Mom On	6 Blade	Silver	IP66

58326 Series • 20A Rocker Switches with Pilot Lights

Single or dual pilot lights. Faceted lenses inset into the actuator. Matte black plastic housing, bezel and actuator. Silver contacts. Internal seal.

- Certified to IP66 for protection against dust and prolonged spray
- Neoprene gasket/panel seal with black nylon bezel and black plastic housing
- 20A at 12V DC. Blade terminals, silver contacts
- Other imprints available upon request. Contact Littelfuse for details

2D Prints and additional information: littelfuse.com/RockerSwitches



58326-01



58326-06



58326-11

PART NUMBERS		RATING	POLE & THROW	ACTION	ILLUMINATION	LED PILOT LIGHT	IMPRINT		TERMINALS	CONTACTS	SEALING
BULK	BOX						ACTUATOR	LENS SYMBOL			
–	58326-01-BX	20A at 12V DC	SPST	Off-On	Independent	Red	None	None	4 Blade	Silver	IP66
58326-06	–	20A at 12V DC	SPDT	On-Off-Mom On	Independent	Red	Override - LVD Auto Mode - System Off	Battery	5 Blade	Silver	IP66
58326-11	58326-11-BX	20A at 12V DC	DPST	Off-On-Mom On	Independent	White	Amber - Warning (On) - Off	SAE lamp symbol	6 Blade	Silver	IP66
58326-15	–	20A at 12V DC	SPST	On-Off	Independent	White	On-Interior-Off	Dome Light	4 Blade	Silver	IP66
58326-27	58326-27-BX	20A at 12V DC	DPDT	On-On-On	Independent	White	Lo/Hi-Pass Heater-Off	Fan	8 Blade	Silver	IP66
58326-29	58326-29-BX	20A at 12V DC	DPDT	On-On-On	Independent	White	Lo/Hi-Fan-Off	Fan	8 Blade	Silver	IP66



10A Narrow Body Curved Rocker Switches

- Curved matte finish narrow body rocker switches
- Fits panels .025" through .200" (.64 to 5.2mm)
- Universal application switches
- Snap-in mounting

2D Prints and additional information: littelfuse.com/RockerSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	TERMINALS	ACTUATOR	
BULK	BOXED	RETAIL CLAMSHELL					COLOR	ILLUMINATION
54003	54003-BX	–	10A at 12V DC	SPST	On-Off	3 Blade	Red	–
54007	–	54007-BP	10A at 12V DC	SPDT	On-On	3 Blade	Black Face - Red Edges	–
54010	54010-BX	–	10A at 12V DC	SPDT	On-On	3 Blade	Black	–
54012	54012-BX	–	10A at 12V DC	SPST	Off-On	3 Blade	Red	Lit in ON Position



Rocker Switch Bezel and Mounting Accessories

Snap-in mounting of any regular size switch such as 56027, 58030, 58332, 58311, 58312 or 58328 series.

- Bezels can be arranged in a parallel array of any length. Bezels themselves can snap into a panel, or be mounted with the bracket mounting kit.
- Mounting hole in panel should be 2.02"W x 1.90"H (51.3 x 48.3mm) for two bezels. Add 1.03"W (26.2mm) for each additional unit.

Additional information: littelfuse.com/RockerSwitches



82159-1

82159-2

82159-3

98628

82159-02-BP

87167-01-BP

Assembled Example

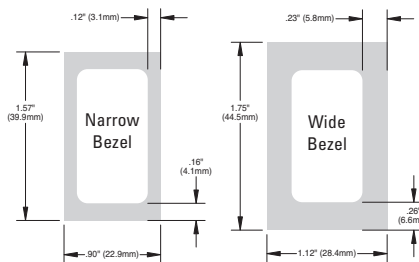
PART NUMBERS			DETAILS	NOTES	DIMENSIONS
BULK	BOXED	RETAIL CLAMSHELL			
82159-1	82159-1-BX	82159-1-BP	End Bezel	Can be used as left or right end	Two units are 2.37"W x 2.30"H (60.2 x 58.4mm)
82159-2	82159-2-BX	–	Center Bezel	Can be ganged and used with end bezels	Two units are 2.37"W x 2.30"H (60.2 x 58.4mm)
82159-3	82159-3-BX	–	Independent Bezel	Fits Panel Openings: 1.90" x 0.984" (48.3 x 25.0mm)	–
98628	98628-BX	–	Bezel Panel Plug	Fits Panel Hole: .83" x 1.45" (21.1 x 36.8mm)	Face Dimensions: 1.91" x 0.96" (24.4 x 48.8mm)
–	–	82159-02-BP	2 End Bezels, 1 Center Bezel, 1 Plug	Bezel Retail Kit	–
–	–	87167-01-BP	2 Brackets, 1 Brass Stabilizing Rod	Bracket Mounting Retail Kit (holds 2 to 6 bezels)	Assembled kit mounts on top of or under the panel. Mounting holes .710" x .235" (18.0 x 6.7mm)

Standard Heavy Duty Rocker Switches

25A Standard Heavy-Duty Rocker Switches with and without Pilot Lights

- Narrow or wide, moisture-resistant plastic, nickel plate or black housings, bezels and actuators
- Snap-in mounting to fit panels
- Brass blade or screw terminals

2D Prints and additional information: littelfuse.com/RockerSwitches



Metal Body Part Numbers



56000-01



56300-01



57000-01



57000-04



57000-10

PART NUMBERS		RATING	POLE & THROW	ACTION	TERMINALS	WIDTH	COLOR	ACTUATOR	PILOT LIGHT	CONTACTS
BULK	BOXED									
56000-01	-	25A at 12V DC	SPST	On-Off	2 Screw	Narrow	Nickel Plated	White		Silver
56000-04	56000-04-BX		SPST	On-Off	2 Screw	Narrow	Nickel Plated	Black		Silver
56300-01	56300-01-BX		SPST	On-Off	3 Screw	Narrow	Nickel Plated	White	•	Silver
57000-01	57000-01-BX		SPST	On-Off	2 Blade	Narrow	Nickel Plated	White		Silver
57000-04	-		SPST	On-Off	2 Blade	Narrow	Black	Black		Silver
57000-10	-		SPST	On-Off	2 Blade	Narrow	Black	Black		Silver
57003-01	57003-01-BX		SPDT	On-Off-On	3 Blade	Narrow	Nickel Plated	White		Silver
57004-10	57004-10-BX		SPDT	Mom-Off-Mom	3 Blade	Narrow	Black	White		Silver
57006-01	-		DPDT	On-Off-On	6 Blade	Narrow	Nickel Plated	White		Silver
57006-07	57006-07-BX		DPDT	On-Off-On	6 Blade	Narrow	Black	White		Silver
57007-11	-		SPDT	On-On-Off	3 Blade	Narrow	Black	Black		Silver
57014-03	57014-03-BX		DPDT	Mom-Off-Mom	4 Blade	Narrow	Black	White		Silver
57300-01	57300-01-BX		SPST	On-Off	3 Blade	Narrow	Nickel Plated	White	•	Silver
57300-22	57300-22-BX		SPST	On-Off	3 Blade	Narrow	Black	White		Silver
57300-11	57300-11-BX		SPST	On-Off-On	4 Blade	Narrow	Black	White	•	Silver
57300-03	57300-03-BX		SPST	On-Off	3 Blade	Narrow	Nickel Plated	Black	•	Silver
57300-02	-		SPST	On-Off	3 Blade	Wide	Nickel Plated	White	•	Silver

Plastic Body Part Numbers



57000-08



57000-23

PART NUMBERS		RATING	POLE & THROW	ACTION	TERMINALS	ACTUATOR	CONTACTS
BULK	BOXED						
56000-08	-	25A at 12V DC	SPST	On-Off	2 Screw	White	Silver
57000-23	57000-23-BX	25A at 12V DC	SPST	On-Off	2 Blade	White	Silver
57013-08	57013-08-BX	25A at 12V DC	DPDT	Mom On-Off-Mom On	6 Blade	White	Silver

FAQ's Rocker & Toggle Switches

Can I replace the bulb in any of your Toggle or Rocker Switches?

The bulbs are wired inside the Switch and therefore cannot be replaced. We use a long lasting bulb so the need for bulb replacement is unlikely in a normal automotive application. We also have LED switches such as 58312 Series that never need replacement. 58312 Series can be found on page 80.

Can I use your Non-Lighted Toggle or Rocker Switches in 110V AC applications?

Except for Switches M-493, 5507 and similar Switches, none of our Switches are officially rated for AC voltage application. While we are confident some of them can, it is entirely up to the end user to determine their suitability for such application. M-493 and 5507 can be found on page 90.

Can I use your Lighted Rocker and Toggle Switches at 110V AC?

No. The lamps inside the Switches have specific voltage ratings.

Can I use your Lighted Rocker and Toggle Switches at 24V DC?

You need to select only the ones rated for 24V because the lights function only at the designed voltage.

Can I use your Non-Lighted Toggle and Rocker switches at 24V DC?

Yes. If they are rated at 12V, you must reduce the current rating by half to obtain the same durability.

Can I get any of your Toggle or Rocker Switches modified to meet my special application?

Yes, in most cases. It is possible we make a suitable item already that isn't listed because of its specialized use. Alternatively, we can make it for you. We have a minimum quantity requirement for special orders.

Do your Lighted Toggle or Rocker Switches have incandescent or LED lamps?

We have both. Contact us if you need a special order with LEDs.

Can I have my company's imprinting placed on a rocker switch?

Yes. Contact us. If it's a standard legend or SAE symbol, there's a chance that it's already available.



5507



54007



58312-A2 & A4

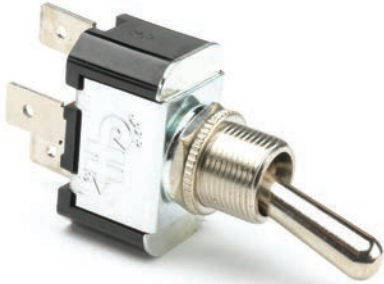


58312-R2 & R4



M-58031-01

Toggle Switches



Dependent or Independent Illumination?

Dependent:

The actuator is illuminated only when the switch is turned on.

Independent:

Illumination is not affected by the actuation of the switch. The illumination can be switched on or off by another switch, such as headlight or interior lighting controls. This is especially useful when locating switches in the dark.



What Does SPST or DPST Mean?

The first two letters, SP or DP, refer to single pole or double pole. The second two letters, ST or DT refer to single throw or double throw.

Pole refers to the number of circuits controlled by the switch. SP switches control one circuit and DP switches control two independent circuits (which act like two identical switches that are mechanically linked). Pole is often confused with terminal, which is a common mistake. Terminals are used for wire connections on the back of the unit and are specified separately.

Throw refers to the extreme position of the actuator. ST switches close a circuit at only one position and the other position is off. DT switches close a circuit in the Up position, as well as the down position and can be configured with two positions (On-Off) or three positions (On-Off-On).

12V, 24V, 36V Ratings

Generally, our 12V non-illuminated toggle switches can be used at higher voltages (and lower current ratings). By proportional calculation a 25A 12V can be used at 8.3A at 36V or 12.5A at 24V. This 'de-rating' actually gives a conservative result. 25A at 12V toggles can actually be used at 15A at 24V and 10A at 36V.

Warning: Switches with pilot lights must be used only at the stated voltage, since the lighting elements function at a specific voltage.



55025 Series • 25A Sealed Toggle



- Waterproof and dustproof to IP68 standard – allows mounting in demanding or harsh locations
- Bushing, handle and hardware – nickel-plated brass
- Standard handle, 0.60" long (15.3mm)
- Standard mounting panel hole 0.468 – 0.474" diameter (11.9-12.0mm)
- Standard bushing diameter 0.47 (12.0mm) 15/32" thread, 0.32" long (5.8mm)
- Wires: 14AWG (2mm²), 12" long (304.8mm)
- Switch body: 1.24" deep x 0.87" wide x 1.46" high (31.6 x 22.0 x 37.1mm)

2D Prints and additional information: littelfuse.com/55025

PART NUMBERS			RATING	POLE & THROW	ACTUATOR	ACTION	TERMINALS	CONTACTS	SEALING
BULK	BOXED	RETAIL CLAMSHELL							
55025	55025-BX	55025-BP	25A at 12V DC	SPST	Nickel-plated brass handle	On-Off	2 wire	Silver	IP68
55025-01	55025-01-BX	55025-01-BP		SPST		Mom On-Off	2 wire		IP68
55025-02	55025-02-BX	55025-02-BP	15A at 24V DC	SPDT		On-Off-On	3 wire		IP68
55025-03	55025-03-BX	55025-03-BP	SPDT	On-On		3 wire	IP68		
55025-04	55025-04-BX	55025-04-BP		SPDT		Mom On-Off-Mom On	3 wire		IP68



Standard Switch



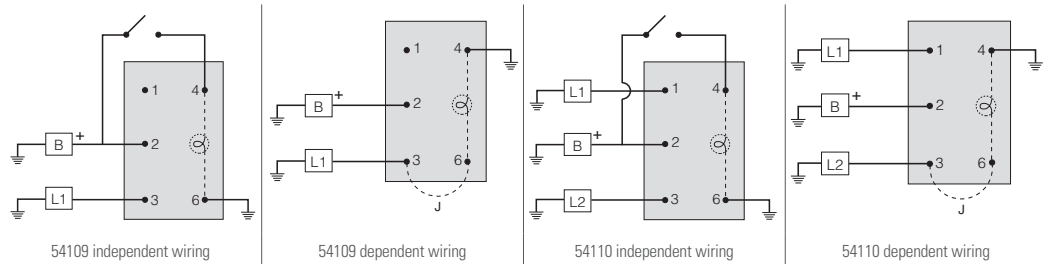
Illuminated Switch

54100 Series • 25A Standard or Illuminated Toggle Switches

Available in a standard black nylon handle or a lighted clear plastic handle, that is 1 1/16" (17.5mm) long.

- Mounting stem 15/32"-32 thread, 15/32" (11.9mm) long, fits panels up to 1/8" (31.8mm) thick
- Includes mounting hardware: black metal facenut and nickel-plated hexnut
- Terminals: .250" blade or 6-32 screw

2D Prints and additional information: littelfuse.com/54100



PART NUMBERS			RATING	POLE & THROW	ACTUATOR	ACTION	ILLUMINATION	ILLUMINATION COLOR			TERMINALS	CONTACTS	SEALING
BULK	BOXED	RETAIL CLAMSHELL						DOWN	CENTER	UP			
54100	54100-BX	54100-BP	25A at 12V DC	SPST	Black Plastic Paddle	On-Off	-	-	-	-	2 screw	Silver	-
54100-01	-	54100-01-BP		SPST	Black Plastic Paddle	On-Off	-	-	-	-	2 blade		O-ring in bushing
54101-01	-	-		SPST	Black Plastic Paddle	Mom On-Off	-	-	-	-	2 blade		-
54109	54109-BX	54109-BP		SPST	Clear Plastic Paddle	On-Off	Independent or Dependent	White	-	Red	4 screw		O-ring in bushing
54109-01	54109-01-BX	-		SPST	Black Plastic Paddle	On-Off	Independent or Dependent	White	-	Red	4 blade		O-ring in bushing
54103	-	54103-BP		SPDT	Black Plastic Paddle	On-Off-On	-	-	-	-	3 screw		-
54104	54104-BX	54104-BP		SPDT	Black Plastic Paddle	Mom On-Off-Mom On	-	-	-	-	3 screw		-
54110	-	-		SPDT	Clear Plastic Paddle	On-Off-On	Independent or Dependent	White	White	Red	4 screw		O-ring in bushing
54107-01	-	54107-01-BP		DPDT	Black Plastic Paddle	On-Off-On	-	-	-	-	6 screw		-

Toggle Switches

25A Heavy Duty Toggle Switches

Standard or long handle. Universal application. Mounting stem is nickel-plated brass 15/32"-32 thread, 15/32" (11.9mm) long, and fits panels up to 9/32" (7.1mm) except where stated otherwise. Phenolic housing, with plated steel cap.

2D Prints and additional information: littelfuse.com/ToggleSwitches



Standard handle, 11/16" (17.5mm) long.



Long handle, 1 1/2" (38.1mm) long.



PVC coated housing with wire leads.

PART NUMBERS			RATING	POLE & THROW	ACTUATOR LENGTH	MATERIAL	ACTION	TERMINALS	CONTACTS	PVC COATED	O-RING SEAL
BULK	BOXED	RETAIL									
5520	5520-BX	5520-BP	25A at 12V DC, 15A at 24V DC	SPST	Standard	Nickel-Plated Brass	On-Off	2 screw	Silver		•
5582	5582-BX	5582-BP		SPST	Standard		On-Off	2 screw			
-	-	5582-30-BP		SPST	Standard		On-Off	2 wire			
5582-36	-	-		SPST	Standard		On-Off	Aptiv 12010973			
5582-10	5582-10-BX	-		SPST	Standard		On-Off	2 wire			•
55014	55014-BX	55014-BP		SPST	Standard		On-Off	2 blade			•
55014-05	55014-05-BX	-		SPST	Standard		On-Off	2 blade			•
55016-06	-	55016-06-BP		SPDT	Standard		On-Off-On	3 blade			
55023	55023-BX	-		SPST	Standard		On-Off	2 screw			
55055	55055-BX	55055-BP		SPST	Long		On-Off	2 blade			
55020	55020-BX	55020-BP		SPST	Standard		Off-Mom On	2 screw			
55020-02	-	55020-20-BP		SPST	Standard		Off-Mom On	2 blade			
55020-04	55020-04-BX	55020-04-BP		SPST	Standard		Off-Mom On	2 wire		•	•
5584	5584-BX	-		SPDT	Standard		On-On	3 screw			
5584-15	-	-		SPDT	Standard		On-On	3 wire			
5586	5586-BX	5586-BP		SPDT	Standard		On-Off-On	3 screw			
55015	55015-BX	-		SPDT	Standard		On-On	3 blade			
55016	55016-BX	-		SPDT	Standard		On-Off-On	3 blade			
55036	55036-BX	-		SPDT	Standard		On-Off-On	3 wire		•	•
55021	55021-BX	55021-BP		SPDT	Standard		Mom On-Off-Mom On	3 screw			
55021-04	55021-04-BX	55021-04-BP		SPDT	Standard		Mom On-Off-Mom On	3 blade			
55021-07	55021-07-BX	55021-07-BP		SPDT	Standard		Mom On-Off-Mom On	3 wire		•	•
55033-01	55033-01-BX	-		SPDT	Standard		Mom On-Off-Mom On	3 blade			
55033-02	55033-02-BX	-		SPDT	Long		Mom On-Off-Mom On	3 blade			
55088	55088-BX	55088-BP		SPDT	Standard		On-Off-Mom On	3 screw			
5588	5588-BX	5588-BP		DPST	Standard		On-Off	4 screw			
55017	55017-BX	-		DPST	Standard		On-Off	4 blade			
55017-02	55017-02-BX	-		DPST	Long		On-Off	4 blade			
5590	5590-BX	-		DPDT	Standard		On-On	6 screw			
5592	5592-BX	5592-BP		DPDT	Standard		On-Off-On	6 screw			
55018	55018-BX	-		DPDT	Standard		On-On	6 blade			
55019	55019-BX	55019-BP		DPDT	Standard		On-Off-On	6 blade			
55054	55054-BX	55054-BP	DPDT	Standard	Mom On-Off-Mom On	6 screw					
55054-04	55054-04-BX	-	DPDT	Long	Mom On-Off-Mom On	6 screw					
55065-02	55065-02-BX	-	DPDT	Long	Mom On-Off-Mom On	6 blade					
55065-03	55065-03-BX	-	DPDT	Standard	Mom On-Off-Mom On	6 blade					
55046	55046-BX	-	DPDT	Standard	Mom On-Off-Mom On	4 blade					
55046-04	55046-04-BX	-	DPDT	Long	Mom On-Off-Mom On	4 blade					
55049-01	55049-01-BX	-	SPST	Long	On-Mom-Off	2 blade					
-	55107-01-BX	-	SPDT	Standard	On-On	9 blade					

* Please inquire about additional bulk quantities



5507 - Ball Handle



5558 - Standard Handle

10A Light Duty Toggle Switches

- Standard handle: 11/16" (17.46mm) long
- Ball handle: 3/8" (9.52mm) long
- Mounting stem has 15/32"-32 thread, 15/32" (11.9mm) long, and fits panels up to 9/32" (7.2mm) thick

2D Prints and additional information: littelfuse.com/ToggleSwitches

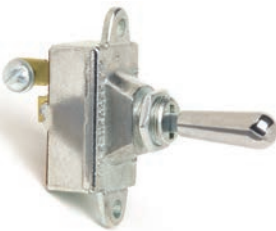
PART NUMBERS			RATING	POLE & THROW	ACTUATOR		ACTION	TERMINALS	CONTACTS
BULK	BOXED	RETAIL			TYPE	MATERIAL			
5507	5507-BX	—	10A at 12V DC	SPST	Ball	Nickel-Plated Brass	Off-On	2 screw	Silver
5558	5558-BX	5558-BP	10A at 12V DC	SPST	Standard	Nickel-Plated Brass	Off-On	2 screw	Silver
5568	5568-BX	—	10A at 12V DC	SPST	Ball	Nickel-Plated Brass	Off-On	2x 6" wire leads	Silver
5570	5570-BX	—	10A at 12V DC	SPST	Standard	Nickel-Plated Brass	Off-On	2x 6" wire leads	Silver
55013	55013-BX	—	10A at 12V DC	SPST	Standard	Nickel-Plated Brass	Off-On	2 blade	Silver
M-484	M-484-BX	M-484-BP	10A at 12V DC	SPST	Standard	Chrome-Plated Brass	Off-On	2 screw	Silver
M-493	—	M-493-BP	10A at 12V DC	SPST	Ball	Chrome-Plated Brass	Off-On	2 screw	Silver
M-584	M-584-BX	M-584-BP	10A at 12V DC	SPST	Standard	Chrome-Plated Brass	Off-On	2x 6" wire leads	Silver

551800 Series • 30A Extra Heavy Duty Toggle Switches

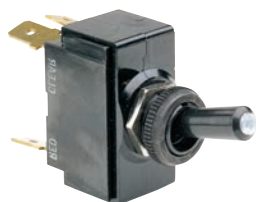
Universal application. Diecast housing. For stem- or bracket-mounting. 15/32"-32 thread mounting stem, with keyway.

- Brackets: .170" (4.3mm) diameter holes, 1.72" (43.7mm) on centers
- Fits panels up to 3/16" (4.8mm) thick
- Chrome plated brass handle, 1 1/16" long (27.0mm)

2D Prints and additional information: littelfuse.com/ToggleSwitches



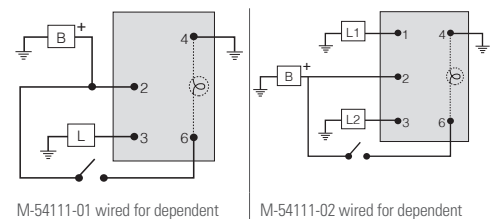
PART NUMBERS			RATING	POLE & THROW	ACTION	ACTUATOR	TERMINALS	CONTACTS
BULK	BOXED	RETAIL						
—	551001-BX	—	20A at 6-12V DC	SPST	Mom On-Off	Chrome-plated brass handle	2 blade	Silver
—	551800-BX	—		SPST	On-Off		2 screw	
551802	—	—		SPDT	On-Off-On		3 screw	
551840	551840-BX	551840-BP	30A at 6-12V DC 15A at 24-36V DC	SPST	On-Off		2 screw	
551841	551841-BX	—		SPST	Mom On-Off		2 screw	
551842	551842-BX	—		SPDT	On-Off-On		3 screw	
551844	551844-BX	—		SPDT	Mom On-Off-Mom On		3 screw	
—	551846-BX	—		DPDT	On-Off-On		6 screw	
551849	—	—		SP3C	On-On-Off		4 screw	



M-54111 Series • 25A Lighted Tip Toggles

Tip of handle is illuminated Red in the On position, illuminated Clear in the Off position.

2D Prints and additional information: littelfuse.com/ToggleSwitches



PART NUMBERS			RATING	POLE & THROW	ACTION	ACTUATOR	ILLUMINATION	ILLUMINATION COLOR		TERMINALS	CONTACTS
BULK	BOXED	RETAIL CLAMSHELL						ON	OFF		
M-54111-01	M-54111-01-BX	M-54111-01-BP	25A at 12V DC	SPST	On-Off	Black plastic handle w/ illuminated tip	Independent or Dependent	Red	White	4 blade	Silver
M-54111-02	M-54111-02-BX	M-54111-02-BP	25A at 12V DC	SPDT	On-Off-On	Black plastic handle w/ illuminated tip	Independent or Dependent	Red	White	5 blade	Silver

Toggle Switches



59024 Series • 25A Long Handle "Duck Bill" Toggle Switches

- 15/32"-32 thread mounting stem
- Fits panels up to 1/4" (6.4mm) thick
- Includes mounting hardware: black knurled facenut, hexnut
- Keyway is in the down position. 1" (25.4mm) handle, black plastic, matte finish
- Terminals: .250" blade or 8-32 screw

2D Prints and additional information: littelfuse.com/ToggleSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	ACTUATOR	TERMINALS	CONTACTS	SEALING
BULK	BOXED	RETAIL CLAMSHELL							
59024-100	59024-100-BX	–	25A at 12V DC	SPST	On-Off	Black Plastic Duck Bill Paddle	2 blade	Silver	–
59024-104	–	–		SPDT	On-On		3 blade		–
59024-106	59024-106-BX	–		SPDT	On-Off-On		3 blade		–
–	59024-108-BX	–		SPDT	Mom On-Off-Mom On		3 blade		–
59024-110	59024-110-BX	–		DPST	On-Off		4 blade		–
59024-116	–	–		DPDT	On-On		6 blade		–
59024-118	–	–		DPDT	On-Off-On		6 blade		–
59024-200	59024-200-BX	–		SPST	On-Off		2 screw		–
59024-218	–	–		DPDT	On-Off-On		6 screw		–



59024-00 Series • Freightliner Replacement "Duck Bill" Toggle Switches

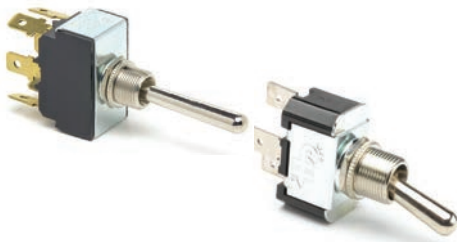
Black phenolic switch housing with metal cap. Terminals are arranged to match OEM wiring connectors with or without brackets.

- Fits panels to .093" (2.4mm) with spacer provided, or to .25" (6.4mm) without spacer
- 15/32"-32 thread mounting stem
- Includes mounting hardware: black metal facenut. Keyway is in the down position
- Black plastic 1" (25.4mm) handle, matte finish
- Dual contacts for extra durability

2D Prints and additional information: littelfuse.com/ToggleSwitches

PART NUMBERS			RATING	POLE & THROW	ACTION	ACTUATOR	TERMINALS	CONTACTS	DUAL CONTACTS	MOUNTING BRACKET
BULK	BOXED	RETAIL CLAMSHELL								
59024-33	59024-33-BX	–	25A at 12V DC	SPST	On-Off	Black Plastic Duck Bill Paddle	2 blade	Silver	•	•
59024-35	59024-35-BX	–		DPST	On-Off		4 blade		•	•
59024-36	59024-36-BX	–		DPDT	On-Off-On		6 blade		•	•
59024-38	59024-38-BX	–		DPDT	Mom On-On-Mom On		6 blade		•	•
59024-12	59024-12-BX	–		SPST	On-Off		2 blade		•	•
59024-14	59024-14-BX	–		DPST	On-Off		4 blade		•	•
59024-15	59024-15-BX	–		DPDT	On-Off-On		6 blade		•	•

Toggle Switches & Accessories



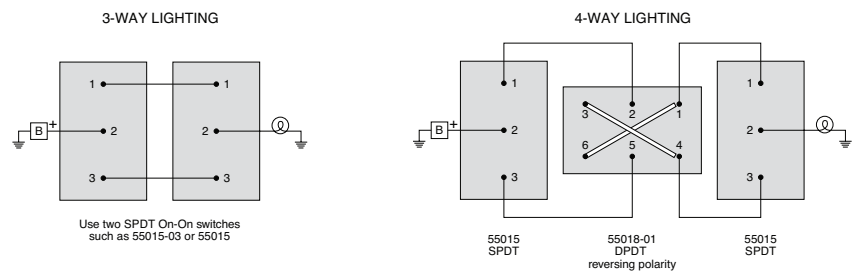
Specialized Application Toggle Switches

- Specialized toggle switches have specific functions and applications. See the "APPLICATION NOTES" column below for details
 - 15/32"-32 thread mounting stem, .46" (11.9mm) long, mounts in panels up to 9/32" (7.1mm) thick
 - Nickel-plated brass handle: standard .687" (17.5mm) or long 1.5" (38.1mm)
- 2D Prints and additional information: littelfuse.com/ToggleSwitches

PART NUMBERS		RATING	POLE & THROW	ACTION			ACTUATOR		TERMINALS	CONTACTS	APPLICATION NOTES
BULK	BOXED/BP			UP	CENTER	DOWN	HANDLE LENGTH	MATERIAL			
55064	55064-BX	25A at 12V DC	DPDT 4-circuit	Park, Tail & Headlamps	Off	Park, Tail & Auxiliary Lamps	Long	Nickel-Plated Brass	6 blade	Silver	4-Circuit Headlamp Switch
55071	-	25A at 12V DC	DP 2-circuit	Mom On B, 1&2 (Day Signaling)	On 1&2	Mom Off (Night Signaling)	Standard	Nickel-Plated Brass	3 blade	Silver	2-Circuit Marker Lamp Switch
55015-03	55015-03-BX	25A at 12V DC	SPDT	On	-	On	Standard	Nickel-Plated Brass	3 blade	Silver	3-way Lighting Switch See Diagrams Below
59071	59071-BX	25A at 12V DC	DP	Mom On 1, 4&5	On 4&5	Off	Standard	White Plastic	3 blade	Silver	Ignition/Start
55093	55093-BX		SPDT	On	On	Off	Standard	Nickel-Plated Brass	3 blade	Silver	Two Speed Heater Fan Toggle Switch
M-597	M-597-BP		SPST	On	-	Mom On	Standard	Nickel-Plated Brass	3 Leads	Silver	Marine Safety Switch

3- and 4-way Lighting

3-way lighting permits a light (or a set of lights) to be controlled from two switches usually mounted in different locations. Similarly, 4-way lighting enables control from three switch locations.



Toggle Accessories



PART NUMBERS			DESCRIPTION
BULK	BOXED	RETAIL	
82468	82468-BX	-	Flip Cover Switch Guard
5543	5543-BX	-	5558 switch mounted in 5543-15 Recessed Faceplate Switch Guard
5543-15	5543-15-BX	-	Recessed Faceplate Switch Guard
81255	81255-BX	81255-BP	Half-Boot Seal
81264	81264-BX	81264-BP	Grey Boot Seal (other colors available, please contact Littelfuse)
81264-01	81264-01-BX	81264-01-BP	Black Boot Seal (other colors available, please contact Littelfuse)
81264-05	81264-05-BX	-	Red Boot Seal (other colors available, please contact Littelfuse)
5543-09	-	-	55015-12 switch mounted Recessed Faceplate Switch Guard
81264-02	81264-02-BX	-	Blue Boot Seal (other colors available, please contact Littelfuse)
81264-07	81264-07-BX	-	Yellow Boot Seal (other colors available, please contact Littelfuse)
8250	8250-BX	-	Toggle Switch "ON - OFF" Face Plate Cover
M-598	-	M-598-BP	Toggle Marine Emergency Lanyard

* Please inquire about additional bulk quantities

Switch Diagrams

Switch Reference Guide - SPST, SPDT, DPST, DPDT

SP and DP refer to single pole and double pole, ST and DT refer to single throw and Double throw.

SP: Single Pole, one circuit controlled by the switch.

DP: Double Pole, two independent circuits controlled by the switch which are mechanically linked.

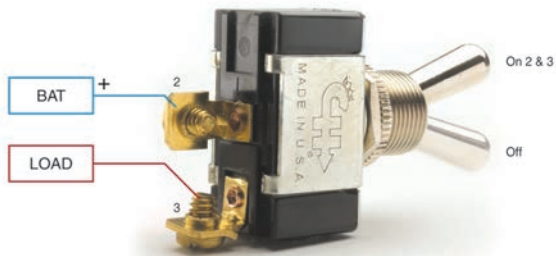
Note: "Pole" should not be confused with "Terminal". The DPST switch, for example has four terminals however it is a Double Pole (DP) and not a four pole (4P) switch.

ST: Single Throw, closes a circuit at only one position and with one throw.

DT: Double Throw, closes a circuit in the up or down position (On-On). A Double Throw switch can also have a center position such as On-Off-On.

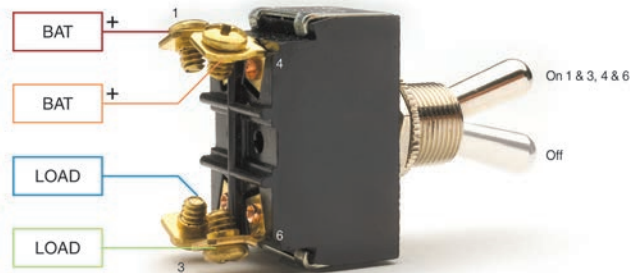
The following switch diagrams illustrate the most common types of toggle and rocker switch.

SPST On-Off



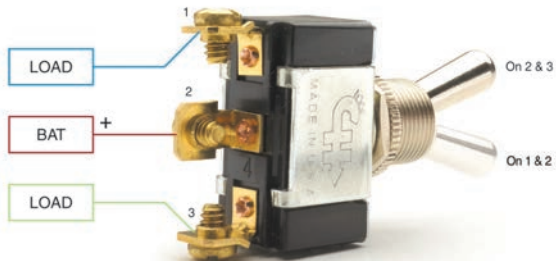
DPST On-Off

Both load terminals can be energized at the same time. They are independent of each other and could be of different voltages.



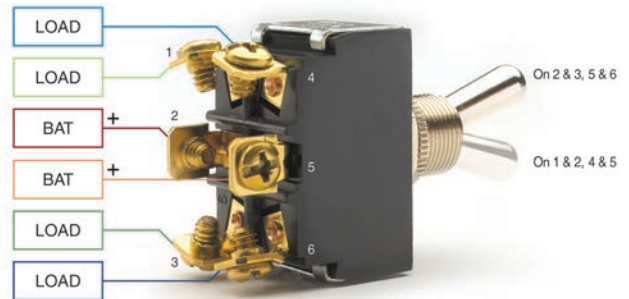
SPDT On-On

Only one of the loads can be energized at a time.



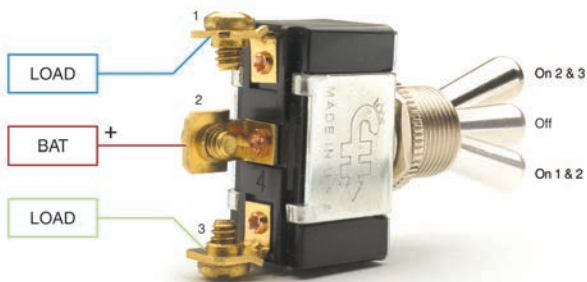
DPDT On-On

Functions like two separate SPDT switches operated by the same actuator. Only two loads can be On at a time.



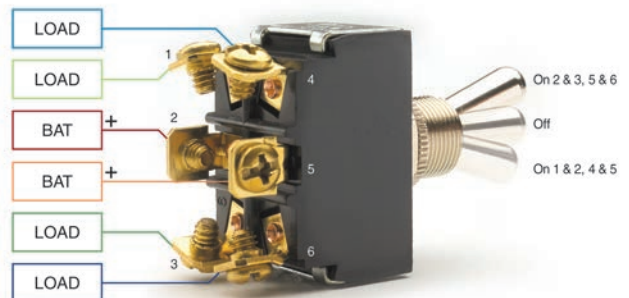
SPDT On-Off-On

Only one of the loads can be energized at a time.



DPDT On-Off-On

Functions like two separate SPDT switches operated by the same actuator. Only two loads can be On at a time.



Switch Diagrams

Single-Pole (SP) & Double-Pole (DP) Switch Wiring Diagrams

Diagrams represent both momentary contact or maintained contact switches.

Switches without Pilot Lights

SPST Off-ON (2 terminals)

Diagram A

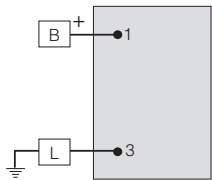
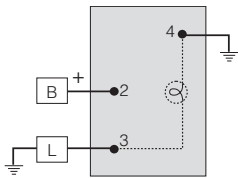
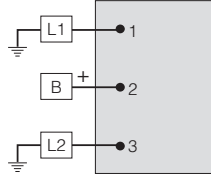


Diagram A1



SPDT On-Off-On (3 terminals)

Diagram B



-

-

DPST Off-On (4 terminals)

Diagram C

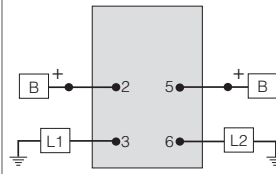
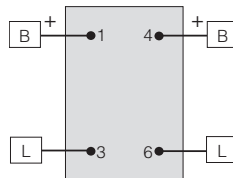
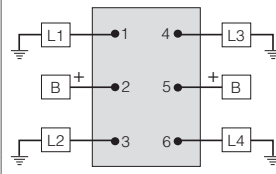


Diagram C1



DPDT On-On (6 terminals)

Diagram D

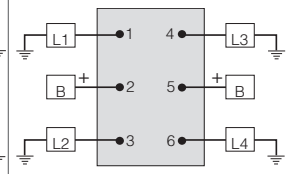


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DPDT On-Off-On (6 terminals)

Diagram E



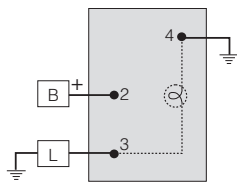
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Switches with One Pilot Light

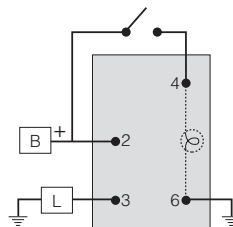
SPST Off-ON – Dependent Illumination (Three terminals)

Diagram F



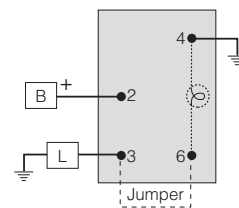
SPST Off-ON – Independent Illumination (Four terminals)

Diagram G1



SPST Off-ON – Independent converted to Dependent (4 terminals)
Connect jumper wire from T3 to T6 and connect T4 to ground

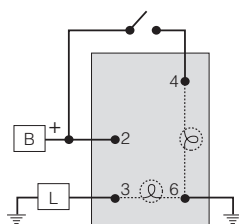
Diagram G2



Switches with Two Pilot Lights

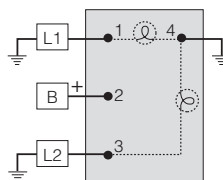
SPST Off-On with Dependent & Independent Lights (Four terminals)

Diagram H



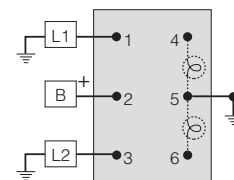
SPDT On-Off-On or On-On with Dependent & Independent Lights (Four terminals)

Diagram J

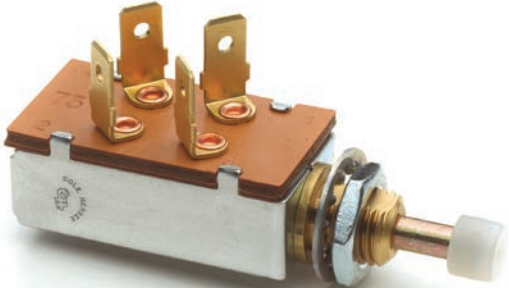


SPDT On-Off-On or On-On with 2 Independent Lights (Four terminals)

Diagram K



Momentary Switches



Momentary switches operate by pushing a button either by thumb or by the closing of a door and will remain in their switched state as long as they are being actuated. Momentary Switches are either “normally Off, spring return to Off” or “normally On, spring return to On.”

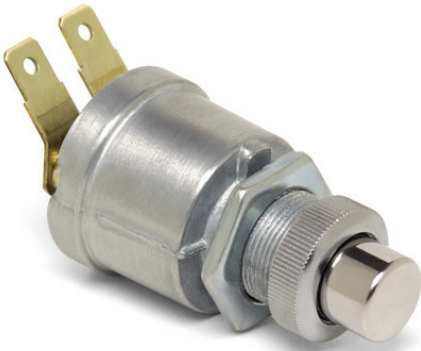
What Does Momentary Mean?

A momentary switch, also known as a “mom,” is spring-loaded. When pressed the actuator moves, remove your finger and it returns to its original position. Opposite of a momentary switch is a maintained contact switch. When the actuator is pressed it stays in the position until it is pressed in the other direction.

More Momentary Switches in Other Sections

Find more momentary switches (moms) in the following catalog sections.

- Ignition Switches
- Rocker Switches
- Toggle Switches
- Push-Pull Switches
- Rotary Switches
- Foot Operated Switches



Momentary Push-Button Switches

35A • Heavy Duty Cylindrical Housing Push-Button Switches

For applications to 36V DC. On with button depressed, spring return to Off.

Additional information: littelfuse.com/Push-Button-Switches



PART NUMBERS			RATING	POLE & THROW	NORMAL POSITION	ACTUATOR		TERMINALS	CONTACTS	MOUNTING STEM	NOTES
BULK	BOXED	RETAIL CLAMSHELL				DETAIL	CAP				
9095	9095-BX	-	35A at 12V DC 20A at 24V DC	SPST	Normally Off	Chrome Plated Button	-	2 Screw	Silver	5/8"-32 thread 21/32" long	-
9245	9245-BX	9245-BP			Normally Off	Black Plastic Button	Snap-On Black Rubber	2 Screw		5/8"-32 thread 21/32" long	O-ring Seal
-	90036-02-BX	-			Normally Off	Chrome Plated Button	-	2 Blade		5/8"-32 thread 21/32" long	Fits Delphi (Packard) 2-way Connector 2973407
9231	9231-BX	-			Normally Off	Recessed Chrome Plated Button	-	2 Screw		5/8"-32 thread 21/32" long	Protected Button with Recessed Design
90030	90030-BX	90030-BP			Normally Off	Black Plastic Button	Screw-On Black Rubber	2 Screw		5/8"-32 thread 21/32" long	-
90030-01	90030-01-BX	-			Normally Off	Black Plastic Button	Screw-On Brown Oil-Resistant Rubber	2 Screw		5/8"-32 thread 21/32" long	-
90030-04	90030-04-BX	-			Normally Off	Black Plastic Button	Screw-On Red Rubber	2 Screw		5/8"-32 thread 21/32" long	-
90030-12	-	-			Normally Off	Chrome Plated Button	Black Cap	2 Terminal Wire		5/8"-32 thread 5/8" long	-
90030-24	-	-			Normally Off	Chrome Plated Button	Black Cap	2 Screw		5/8"-32 thread 5/8" long	-
90030-33	-	-			Normally Off	Chrome Plated Button	Black "Push" Cap	2 Screw		5/8"-32 thread 5/8" long	-
90030-43	-	-			Normally Off	Chrome Plated Button	Black Cap	2 Screw		5/8"-32 thread 5/8" long	-
90030-53	-	-			Normally Off	Chrome Plated Button	Black Cap	2 Screw		5/8"-32 thread 5/8" long	Assembled
90036-10	-	-			Normally Off	Chrome Plated Button	Black Cap	2 Blade		5/8"-32 thread 5/8" long	Horn Imprinted
9216-03	9216-03-BX	-			Normally Off	Chrome Plated Button	Screw-On Black Rubber	2 Screw		5/8"-32 thread 5/8" long	Gold Dichromate Dipped Case
9100	9100-BX	-			Normally Off	Chrome Plated Plunger	-	2 Screw		15/32"-32 thread 9/16" long	-
9216-10	-	-			Normally Off	Chrome Plated Button	Black Cap	Aptiv 12010973 (Sealed)		5/8"-32 thread 5/8" long	Sealed Gold Dichromate Dipped Case
9216	9216-BX	-			Normally Off	Chrome Plated Button	-	2 Screw		5/8"-32 thread 5/8" long	Sealed Gold Dichromate Dipped Case
9276-09	9276-09-BX	-			Normally Off	Black Plastic Button	Screw-On Black Rubber	2 Screw		5/8"-32 thread 21/32" long	Two circuits simultaneously energized
9238-07	-	-			Normally Off	Chrome Plated Button	-	2 Blade		5/8"-32 thread 7/8" long	-
90018	-	-			Normally Off	Chrome Plated Button	-	2 Screw		5/8"-32 thread 5/8" long	-

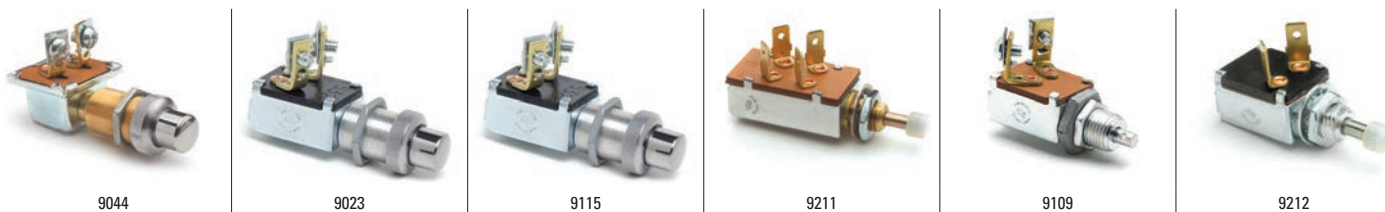
10

Momentary Push-Button Switches

10A • Heavy Duty Rectangular Housing Push-Button Switches

For applications up to 36V DC. On with button depressed, spring return to Off.

Additional information: littelfuse.com/Push-Button-Switches



PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	MOUNTING STEM	NOTES
BULK	BOXED					DETAIL	CAP			
-	9044-BX	10A at 12V DC	SPST	Off-On	Off	Chrome Plated Button	-	2 Screw	5/8"-32 thread 1.06" long	Gasket Seal
9023	9023-BX	15A Resistive, 10A Inductive at 12V DC 8A Resistive, 5A Inductive at 24V DC	SPST	Off-On	Off	Chrome Plated Button	-	2 Screw	5/8"-32 thread .87" long	-
9238	9238-BX	15A Resistive, 10A Inductive at 12V DC 8A Resistive, 5A Inductive at 24V DC	SPST	Off-On	Off	Chrome Plated Button	-	2 Blade	5/8"-32 thread .87" long	-
9115	9115-BX	10A at 12V DC	SPST	On-Off	On	Chrome Plated Button	-	2 Screw	5/8"-32 thread 7/8" long	-
9211	9211-BX	10A at 12V DC	DPST	On-Off	On	White Plastic .33"Ø Button	-	4 Blade	7/16"-20 thread	Commonly used in school bus stepwell and door control
9109	9109-BX	10A at 12V DC	SPST	Off-On	Off	Shaft has 3/32" hole for cable or lever attachment	-	2 Screw	1/2"-20 thread 5/8" long	Pull On, Spring Return to Off
9212	9212-BX	10A at 12V DC	SPST	On-Off	On	1/2" Plunger	Nylon Cap	2 Blade	7/16"-20 thread 1/2" long	Brass Contacts
9165	9165-BX	10A at 12V DC	DPST	Off-On	Off	Chrome Plated Button	-	3 Screw	5/8"-32 thread 21/32" long	2 steel hexnuts and facenet on stem
91126	91126-BX	10A at 12V DC	SPST	Off-Mom On	Off	Chrome Plated Plunger	-	2 Wire	7/16"-20 thread 7/16" long	-
92116	92116-BX	10A at 12V DC	SPST	Off-On	Off	Chrome Plated Plunger	Black Cap	2 Blade	5/8"-32 thread 1" long	Hencol Sealed
90002	90002-BX	10A at 12V DC	SPST	On-Mom Off	On	Chrome Plated Button	-	2 Screw	5/8"-32 thread 1.25" long	-
91109-03	-	20A at 12V DC 10A at 24V DC	DPST	On-On	On	Chrome Plated Button	Black Cap	4 Wire	5/8"-32 thread 3/4" long	Cir. A Normally On, Cir. A Off/ Cir. B On when depressed (spring return to A On).

20A • Heavy Duty Rectangular Housing Push-Button Switches for Mechanical Activation

10A at 24V DC, 20A at 12V DC. On with button depressed, spring return to Off.

- Steel button protrudes through the cap. Black rubber cap snaps into a special groove on the nut, which is deep-threaded and gives a positive seal
- Steel button feature is ideal for mechanical actuation

Additional information: littelfuse.com/Push-Button-Switches



90043



90043-07

PART NUMBERS			RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	MOUNTING STEM	GASKET SEAL	NOTES
BULK	BOXED	RETAIL CLAMSHELL					DETAIL	CAP				
90043	90043-BX	-	20A at 12V DC 10A at 24V DC	SPST	Off-On	Off	Steel Plunger	Snap-On Black Rubber	2 Blade	5/8"-32 thread .625" long	•	Fits Delphi (Packard) 2-Pole Connector 2977647
90043-07	90043-07-BX	-	20A at 12V DC 10A at 24V DC	SPST	Off-On	Off	Steel Plunger	Snap-On Black Rubber	2x 7" wire leads	5/8"-32 thread .625" long	•	PVC-Coated
90043-31	90043-31-BX	-	20A at 12V DC 10A at 24V DC	SPST	Off-On	Off	Steel Plunger	Snap-On Black Rubber	2 Wire	5/8"-32 thread .625" long	•	Hencol Sealed Body

Horn Push Buttons



96101

Surface and clamp mount push-button horn switches. Clamp mount allows attachment on a steering column up to 1-1/2" (38.1mm) diameter.

PART NUMBERS			RATING	TYPE	SIZE	DETAIL	TERMINALS
BULK	BOXED	RETAIL					
96101	96101-BX	-	5A at 12V DC	Surface Mount	13/16"Ø	Black Plastic	2 Screw

Momentary Push-Button Switches

35-10A • Heavy Duty Marine-Grade Push-Button Switches

For applications to 36V DC. On with button depressed, spring return to Off

Designed for universal applications within harsh environments. Their mounting, body, and actuator features are designed for ease-of-use and extended product lifecycle. With heavy duty brass bodies, the Marine Push Pull Switches are designed for circuit control within the Marine environment.



M-626



M-485

PART NUMBERS			RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR	TERMINALS	MOUNTING STEM	FITS PANELS	NOTES
BULK	BOXED	RETAIL CLAMSHELL									
M-490	M-490-BX	M-490-BP	35A at 12V DC 20A at 24V DC 10A at 36V DC	SPST	Off-On	Off	Chrome Plated Button	2 screw	5/8"-32 thread 1-3/8" long	1" (25.4mm) thick	-
M-612	M-612-BX	M-612-BP		SPST	Off-On	Off	Chrome Plated Button	2 screw	5/8"-32 thread 1-3/8" long	1" (25.4mm) thick	With Protected Bezel
M-626	M-626-BX	M-626-BP		SPST	Off-On	Off	Black Rubber Cap (407-03)	2 screw	5/8"-32 thread 1-3/8" long	1" (25.4mm) thick	Same as M-490, but with snap-on cap
M-626-02	M-626-02-BX	M-626-02-BP		SPST	Off-On	Off	Black Rubber Cap (83280-03)	2 screw	5/8"-32 thread 1-3/8" long	1" (25.4mm) thick	-
M-485	M-485-BX	M-485-BP	10A at 12V DC	SPST	Off-On	Off	Chrome Plated Button	2 Screw	5/8"-32 thread 1.0" long	3/4" (19.1mm) thick	Gasket Seal
M-492	M-492-BX	M-492-BP		SPST	Off-On	Off	Chrome Plated Button	2 Screw	5/8"-32 thread 1.0" long	1" (25.4mm) thick	-
M-524	-	-		SPST	Off-On	Off	Black Rubber Cap (407-03)	2 Screw	5/8"-32 thread 1.0" long	3/4" (19.1mm) thick	Gasket Seal
M-914-01	M-914-01-BX	-		SPST	Off-On	On	Chrome Plated Button	2 Screw	5/8"-32 thread 1.0" long	3/4" (19.1mm) thick	-



90047

Engine Start / Engine Stop Buttons

- Diecast housing, with knurled aluminum facenut
- Two screw terminals with lockwashers
- Mounting stem 7/8"-24 thread, keyed to prevent turning, fits panels .04" - .10" thick (1.0 - 2.5mm)
- Impact-resistant molded plastic button with white imprint, repels oil, water and other liquids
- 2 7/32" L x 1 1/8" D (50.8 x 28.6 x 3.18mm)

PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	DETAIL	IMPRINT	TERMINALS	CONTACTS	MOUNTING STEM	SEALING
BULK	BOXED										
90047	90047-BX	35A at 12V DC	SPST	Off-On	Off	Black Plastic Button	Start	2 Screw	Silver	7/8"-24 thread	-
90047-01	90047-01-BX		SPST	Off-On	Off	Black Plastic Button	Start	2 Screw	Silver	7/8"-24 thread	Built-In Seal Around Lip
90048	90048-BX	20A at 24V DC	SPST	Off-On	Off	Red Plastic Button	Stop	2 Screw	Silver	7/8"-24 thread	-
90048-01	90048-01-BX		SPST	Off-On	Off	Red Plastic Button	Stop	2 Screw	Silver	7/8"-24 thread	Built-In Seal Around Lip



10A • PVC-Coated Heavy Duty Rectangular Housing Push-Button Switches

For applications to 36V DC. On with button depressed, spring return to Off.

- Corrosion-resistant brass case
- PVC-Coated body sealed against moisture and dirt, with black rubber snap-on cap (407-03)
- Fits panels up to 1/2" (12.7mm) thick

Additional information: littelfuse.com/Push-Button-Switches

PART NUMBERS			RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	MOUNTING STEM	PVC-COATED
BULK	BOXED	RETAIL CLAMSHELL					DETAIL	CAP			
M-608	M-608-BX	M-608-BP	10A at 12V DC	SPST	Off-On	Off	Brass Button	Rubber	2 wire leads	5/8"-32 thread 15/16" long	•

5A • Compact Design Buttons

- Moisture-resistant molded plastic case
- Snaps into .80 - .85" (20.3 - 21.6mm) diameter hole. Fits panels .03 - .07" thick (.76 - 1.8mm)
- Normally off black, white or red button compact switch



9075

PART NUMBERS			RATING	POLE & THROW	ACTION	NORMAL POSITION	DETAIL	TERMINALS
BULK	BOXED	RETAIL						
9075	9075-BX	-	5A at 12V DC	SPST	On-Mom Off	On	Black Plastic 9/16" long	2 Female Bullet
9187-02	-	9187-02-BP			Off-Mom On	Off	Red Button	2 Blade
9187	9187-BX	9187-BP			Off-Mom On	Off	Black Button	2 Blade

Momentary Push-Button Switches



Threaded and Push Button Caps

- Threaded rubber cap is permanently fastened to the integral mounting nut by a rolled brass bezel
- Snap-on rubber caps feature ribs on the inside of the rubber cap engage with the switch facenut

PART NUMBERS			TYPE	COLOR	IMPRINT	NOTES
BULK	BOXED	RETAIL				
83280	83280-BX	-	Screw-On - 5/8"-32 threads	Grey	PUSH	-
83280-02	83280-02-BX	-	Screw-On - 5/8"-32 threads	Red	PUSH	-
83280-03	83280-03-BX	83280-03-BP	Screw-On - 5/8"-32 threads	Black	PUSH	-
83280-05	83280-05-BX	-	Screw-On - 5/8"-32 threads	Brown	PUSH	Molded from Hydrin which is more resistant to fuel and oils
407-01	-	-	Snap-On	Grey	PUSH	Snaps on to 83261 face nut
407-02	-	-	Snap-On	Red	PUSH	Snaps on to 83261 face nut
407-03	407-03-BX	407-03-BP	Snap-On	Black	PUSH	Snaps on to 83261 face nut

Momentary Door Switches

10A • Specialized Door Momentary Switches



91811



91800

- Designed for 8 light warning systems in school buses.
- 91811: Two circuits, progressive plunger travel alternates the circuits.
- 91800: Pull out feature permits circuit to be shut off manually when the door must remain open but flashing lights operation is not required.

Additional information: littelfuse.com/Door-Switches

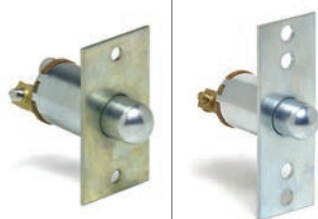


PART NUMBERS		RATING	POLE & THROW	POSITIONS	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED						DETAIL	LENGTH				
91800	91800-BX	10A at 12V DC	SPST	3	Mom Off-On-Pull Off	On	Button	7/32" On 3/4" Off	2 Screw	Plated Steel	Silver	7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting
91050	91050-BX	-	TPTT	2	On-Mom Off	On	Button	3/10"	8 Blade	Plated Steel	Silver	7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting

10

5A • Door Momentary Switches with Faceplate

Additional information: littelfuse.com/Door-Switches



9001 / 9002

9087



9270 / 9269

PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR			TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED					DETAIL	LENGTH	D/A.				
9001	9001-BX	5A at 12V DC	SPST	On-Mom Off	Normally On	Rounded	7/16"	45/64"	2 Screw	Plated Steel	Silver	Two 9/64"Ø Mounting Holes 1-3/8" on Center
9050-01	9050-01-BX								1 Screw			Two 9/64"Ø Mounting Holes 1-3/8" on Center
9270	9270-BX								2 Blade			Two 9/64"Ø Mounting Holes 1-3/8" on Center
-	9087-BX			2 Screw	Four 3/16"Ø Mounting Holes 1-3/8" and 2-1/16" on Center							
-	9002-BX			2 Screw	Two 9/64"Ø Mounting Holes 1-3/8" on Center							
9269	9269-BX			2 Blade	Two 9/64"Ø Mounting Holes 1-1/2" on Center							

Momentary Door Switches

10-5A • SPST • Door Momentary Switches

Additional information: littelfuse.com/Door-Switches



9264



9003

PART NUMBERS		RATING	POLE & THROW	POSITIONS	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED						DETAIL	LENGTH				
9055	9055-BX	10A at 12V DC	SPST	2	On-Mom Off	On	Shaft	1/2"	2 Screw	Plated Steel	Silver	7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting
9264	9264-BX	10A at 12V DC					Button	1/2"				7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting
9264-04	-	-					Button	7/16"				-
9264-02	9264-02-BX	10A at 12V DC					Button	1/2"				7/16"-20 thread, 7/8" long Two Flats for Double-D Mounting
9003	9003-BX	5A at 12V DC					Rounded	3/32"				1/2"-20 thread 1/14" long
9055-08	-	20A at 12V DC					Shaft	1/2"				7/16"-20 thread, 7/8" long Two Flats for Double-D Mounting

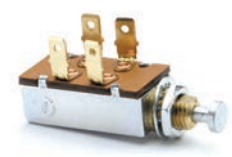
10A • DPST • Door Momentary Switches

- Energizes two circuit simultaneously.
- Popular for use in school bus stepwell and door control.

Additional information: littelfuse.com/Door-Switches



9118/9180



91801

PART NUMBERS		RATING	POLE & THROW	POSITIONS	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED						DETAIL	LENGTH				
9118	9118-BX	10A at 12V DC	DPST	2	On-Mom Off	On	Button	19/64"	4 Screw	Plated Steel	Silver	7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting
91801	91801-BX	10A at 12V DC	DPST	2	On-Mom Off	On	Button	19/64"	4 Blade			
9180	9180-BX	10A at 12V DC	DPST	2	Off-Mom On	Off	Button	15/32"	4 Screw			
9118-04	9118-04-BX	10A at 12V DC	DPST	2	On-Mom Off	On	Button	19/64"	4 Screw			7/8"-20 thread, 7/8" long Two Flats for Double-D Mounting

5A • Normally Grounded Single Circuit Door Momentary Switches

Additional information: littelfuse.com/Door-Switches



91812

PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR		TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED					DETAIL	LENGTH				
91812	91812-BX	5A at 12V DC	SPST	On-Mom Off	Normally Grounded	Rounded	33/64"	1 Blade	Plated Steel	Silver	7/16"-20 thread, 7/16" long Two Flats for Double-D Mounting
91812-02	-					Chrome Plated Plunger	1 Blade 1 Wire				

10

5A • Sealed Door Momentary Switches with Faceplate

- Sealed Plunger and wire leads.

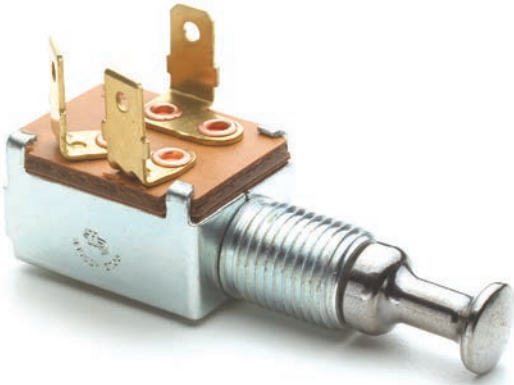
Additional information: littelfuse.com/Door-Switches



9270-01

PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR			TERMINALS	CASE	CONTACTS	MOUNTING
BULK	BOXED					DETAIL	LENGTH	DIA.				
9270-01	9270-01-BX	5A at 12V DC	SPST	On-Mom Off	Normally On	Round Black Rubber Cap	.436"	.70"	2 PVC Coated 8" Wire Leads	Plated Steel	Silver	Two .144"Ø Mounting Holes 1-1/2" on Center

Push-Pull, Rotary & Foot Switches



What is the Difference Between Push-Pull, Rotary & Foot Switches?

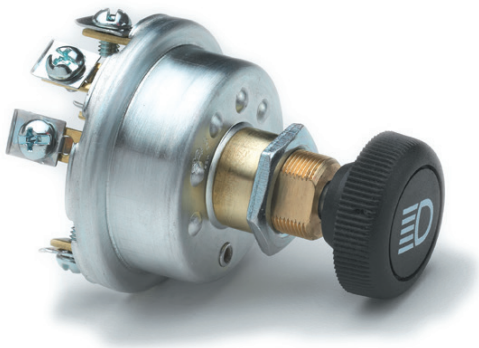
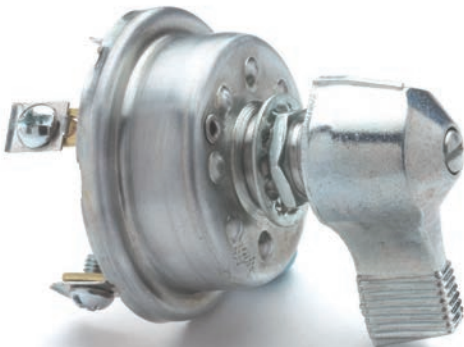
Push-Pull switches operate by pushing or pulling the actuator depending on the configuration of the switch.

Rotary switches are activated by a manual rotation of the actuator into two or three positions.

Foot switches are mounted on or through the floorboard for hands free operation of the application

What is Dynamic Parking in Wiper Switches?

Windshield wiper switch engineers call the feature 'dynamic parking' when the windshield wiper switch actively returns the wiper to home position, rather than waiting until the cycle reaches home.



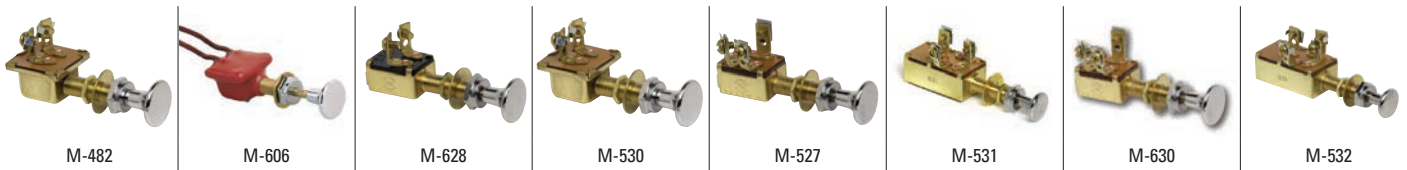
Push-Pull Switches

One and Two Circuit Push-Pull Switches



PART NUMBERS		VOLTAGE	RATING	CIRCUITRY	TYPE	NORMAL POSITION	ACTUATOR KNOB	TERMINALS	CONTACTS	HOUSING	MOUNTING STEM		NOTES
BULK	BOXED										MATERIAL	SIZE	
5007	5007-BX	6-36V DC	10A at 12V DC	SPST	Off-On	Off	Tan Plastic (10-32 metal thread)	2 screw	Copper	Plated Steel	Aluminum	3/8"-32 thread 5/8" long	-
5011	5011-BX		10A at 12V DC	SPST	Off-On	Off	Chrome	2 screw	Copper	Plated Steel	Steel	1/2"-20 thread 5/8" long	-
50070	50070-BX		10A at 12V DC	SPST	Off-On	Off	Chrome	2 blade	Silver	Plated Steel	Steel	1/2"-20 thread 5/8" long	-
50001	50001-BX		10A at 12V DC	SPST	Off-On	Off	Black Plastic (10-32 metal thread)	2 screw	Silver	Plated Steel	Brass	1/2"-20 thread 5/8" long	-
50002	50002-BX		20A at 12V DC	SPST	Off-On	Off	Integral Chrome Brass	2 screw	Silver	Plated Steel	Brass	1/2"-20 thread 5/8" long	-
50066	50066-BX		20A at 12V DC	SPST	Off-On	Off	Black Plastic (10-32 metal thread)	2 screw	Silver	Plated Steel	Brass	1/2"-20 thread 5/8" long	O-Ring stem seal & Gasket Sealed Terminal Insulator
50046	50046-BX		10A at 12V DC	SPST	On-Off	On	Black Plastic (10-32 metal thread)	2 screw	Copper	Plated Steel	Aluminum	3/8"-32 thread 5/8" long	-
50046-09	-		10A at 12V DC	SPST	On-Off	On	Plunger	2 screw	Copper	Plated Steel	Aluminum	3/8"-32 thread 5/8" long	-
5050	-		20A at 12V DC	DPST	On-Off	Off	Black Plastic "Lights" (10-32 metal thread)	2 screw & 1 stud	Silver	Plated Steel	Steel	1/2"-20 thread 5/8" long	Includes 30A Circuit Breaker
50082	50082-BX		8A at 12V DC	SPDT	Off-On1-On2	-	Integral Chrome	3 blade	Copper	Plated Steel	Steel	1/2"-20 thread 5/8" long	Energize two circuits from a common feed
50088	50088-BX		8A at 12V DC	TPTT	Off-On-Off	On	Steel Plunger	3 screw	Silver	Plated Steel	Aluminum	7/16"-28 thread 5/16" long	-
91812-02	-		5A at 12V DC	SPST	On-Mom Off	On	Chrome Plunger	1 blade & 1 wire	Silver	Plated Steel	Steel	7/16"-20 thread 7/16" long	-

Marine Grade • One, Two & Three Circuit Push-Pull Switches

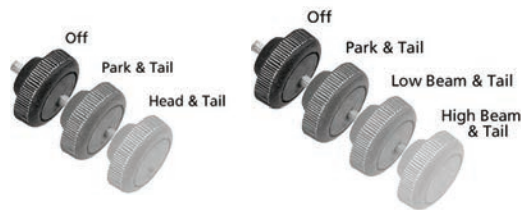


PART NUMBERS			VOLTAGE	RATING	CIRCUITRY	TYPE	NORMAL POSITION	ACTUATOR KNOB	TERMINALS	CONTACTS	HOUSING	GASKET SEALED	MOUNTING STEM	
BULK	BOXED	RETAIL											MATERIAL	SIZE
M-482	M-482-BX	M-482-BP	6-36V DC	10A at 12V DC	SPST	Off-On	Off	Chrome Brass	2 screw	-	Brass	•	Brass	3/8"-32 1 1/4" long
M-606	M-606-BX	M-606-BP	6-36V DC	10A at 12V DC	SPST	Off-On	Off	Chrome Brass (10-32 thread)	2 copper 12" wires	-	Brass - PVC Coated		Brass	3/8"-32 1 1/4" long
M-628	M-628-BX	M-628-BP	6-36V DC	10A at 12V DC	SPST	Off-On	Off	Chrome Brass (10-32 thread)	2 screw	-	Brass		Brass	3/8"-32 1 1/4" long
M-530	M-530-BX	-	6-36V DC	10A at 12V DC	SPST	On-Off	On	Chrome Brass	2 screw	-	Brass	•	Brass	3/8"-32 1 1/4" long
M-527	-	M-527-BP	6-36V DC	10A at 12V DC	SPST	On-Off	Off	Chrome Brass	3 screw	-	Brass		Brass	3/8"-32 1 1/4" long
M-531	M-531-BX	M-531-BP	6-36V DC	10A at 12V DC	SPST	On-On-Off	Off	Chrome Brass (10-32 thread)	3 screw	-	Brass		Brass	3/8"-32 1 1/4" long
M-630	M-630-BX	-	6-36V DC	10A at 12V DC	SPDT	On-On	Off	Chrome Brass	3 screw	-	Brass		Brass	3/8"-32 1 1/4" long
M-532	M-532-BX	M-532-BP	6-36V DC	10A at 12V DC	SPDT	Off-On1-On2	Off	Chrome Brass (10-32 thread)	4 screw	-	Brass		Brass	3/8"-32 1 1/4" long
M-476	M-476-BX	M-476-BP	6-36V DC	10A at 12V DC	SPDT	Off-On1-On1&2	Off	Chrome Brass	3 screw	-	Brass		Brass	3/8"-32 1 1/4" long

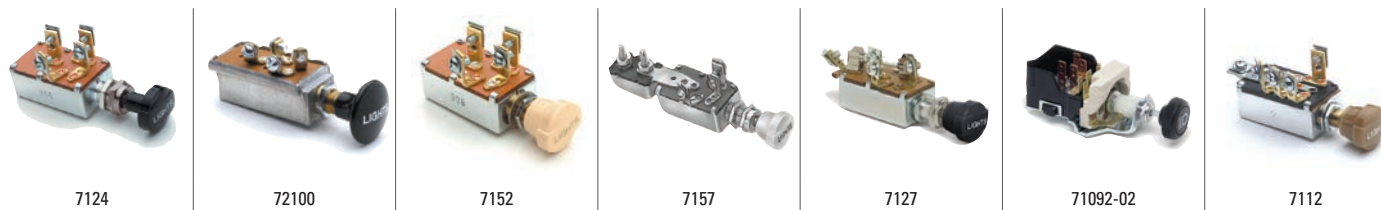
Push-Pull Switches

Push-Pull Headlamp Switches

- Three knob pull positions: In – Mid – Out
- In = Headlamps Off
- Mid = Parking Lights and Tail Lights On
- Out = Headlights and Tail Lights On



Additional information: littelfuse.com/PushPullSwitches



PART NUMBERS		RATING PER CIRCUIT	POSITIONS	TYPE	ACTUATOR		TERMINALS	CONTACTS	HOUSING	MOUNTING STEM	NOTES
BULK	BOXED				KNOB	IMPRINT					
7124	7124-BX	15A at 12V DC	3	In-Mid-Out	Black Plastic	Lights	4 screw	Copper	Plated Steel	7/16"-28	-
7124-06	7124-06-BX			In-Mid-Out	Black Plastic	Lights	4 screw	Bronze	Plated Steel	7/16"-28	
72100	72100-BX	20A at 12V DC		In-Mid-Out	Black Plastic	Lights	4 screw	Silver	Diecast	7/16"-28	O-Ring Seal in Stem & Gasket Sealed Terminal Insulator
7152	7152-BX	15A at 12V DC		In-Mid-Out	Ivory Plastic	Lights	4 screw	Silver	Plated Steel	3/8"-24	-
7157	7157-BX	30A at 12V DC with Breaker		In-Mid-Out	Ivory Plastic	Lights	3 screw	Silver	Plated Steel	7/16"-28	Includes 30A Circuit Breaker
7127	7127-BX	20A at 12V DC with Fuse		In-Mid-Out	Black Plastic	Lights	4 screw	Copper	Plated Steel	7/16"-28	Includes 20A Glass Fuse
71092	71092-BX	15A at 12V DC with Internal Breaker		In-Mid-Out	None	None	8 blade†	-	Plated Steel	7/16"-28	4.5 Ω with Internal 15A Circuit Breaker
71092-02	71092-02-BX	15A at 12V DC with Internal Breaker	In-Mid-Out	None	None	8 blade†	-	Plated Steel	7/16"-28	4.5 Ω with Internal 15A Circuit Breaker	
7112	7112-BX	10A at 12V DC	4	In-Mid1-Mid2-Out	Tan Plastic	Lights	5 screw	Copper	Plated Steel	3/8"-24	-

†Accepts Delphi 2977645 or 2984169

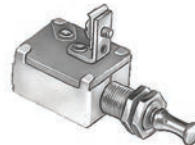
Specialized Push-Pull Switches



68028



50036



50203



9576

PART NUMBERS		VOLTAGE	POSITIONS	TYPE	ACTUATOR KNOB	TERMINALS	CONTACTS	HOUSING	MOUNTING STEM		NOTES
BULK	BOXED								MATERIAL	SIZE	
68028	68028-BX	12V DC	3	Off-Hi-Lo	Ivory Plastic (10-32 Metal Thread) Gold Imprint: Lights	2 screw	Copper	Plated Steel (1-13/16"x 1-19/32"x 1/2")	Steel	7/16"-28 thread 5/16" long	Heater switch 3Ω coil resistance
50036	50036-BX	12V DC	2	On-On (DPST)	Red Plastic 1-1/4" Ø	3 female bullet	Copper	Zinc with Rubber Boot	-	-	Two-speed axle switch to mount on gear shift lever Accepts 40102 connector
50203	-	10A at 12V 36V DC max	2	In-Off (Magneto Switch Grounded) Out-Run (Magneto Switch Open)	Integral Nickel Plated	1 screw	Copper	Plated Steel	Aluminum	3/8"-32 thread 5/8" long	Magneto Switch, Out-Run
9576	9576-BX	12V DC	2	Off-Ign/Acc-Ign/Start 10A Acc, 5A Ign, 5A Start	Black Plastic	4 screw	Copper	Plated Steel	Steel	3/8"-24 thread	Battery ignition and starter switch - spring return to Ign/Acc
9011	9011-BX	-	2	Off-Start	Chrome Plated Button	2 screw	Copper	Plated Steel	Steel	1"-22 thread 17/32" long	Engine Start / Engine Stop Button

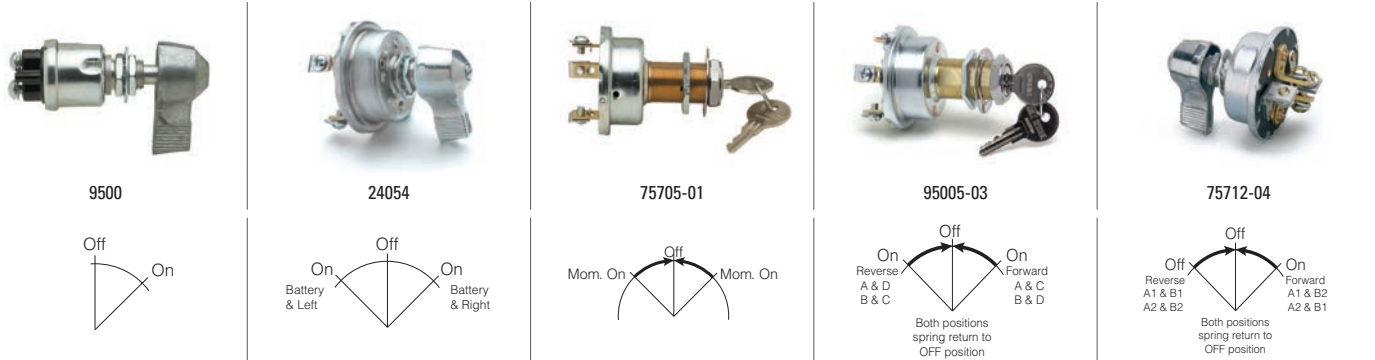
Rotary Switches

Universal Rotary Switches

In a full range of styles and circuitries for lighting, ignition and similar applications.

- For forward-reverse operation of a motor, to give a motion such as Up/Down, Left/Right, In/Out, Rotate/Counter-rotate
- Suitable for control of tailgates, winches, windlasses, snowplows and other applications

Additional information: littelfuse.com/RotarySwitches



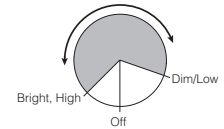
PART NUMBERS		RATING	CIRCUITRY	POSITIONS	SWITCH TYPE	TYPE	ACTUATOR	TERMINALS	HOUSING	MOUNTING STEM	NOTES
BULK	BOXED										
9500	9500-BX	10A at 12V DC	SPST	2	–	Off-On	Lever	2 screw	Plated Steel	½"-20	Compact Case
24054	–	10A at 12V DC	SPST	3	–	On1-Off-On2	Lever	3 screw	Plated Steel	½"-20	–
75701	75701-BX	20A at 12V DC	–	3	Reverse	On1-Off-On2	Lever	3 screw	Plated Steel	7/16"-28	–
72171-02	–	20A at 12V DC	–	3	Rotary	Off-On-On	Black Knob (Fan Icon)	6 blade	Copper	11/32"-12	Universal rotary or fan control types of products
75602-10	–	24V DC	–	4	–	–	Aptiv 2977042	6 Way Male Connector	Diecast	13/16"-24	–
90005-01	90005-01-BX	15A at 12V DC	DPDT	3	Reverse	On (Reverse); Off; On (Forward)	Lever	4 screw	Plated Steel	½"-20	Spring Return to Off
75705-01	75705-01-BX	10A at 12V DC	–	3	Momentary	Mom On1-Off-Mom On2	Key with Coded Tumbler Lock	3 screw	Plated Steel	13/16"-24	Internal O-Ring Seal; Spring Return to Off from Both Positions
90005-03	90005-03-BX	15A at 12V DC	DPDT	3	Reversing	Off (Reverse)-Off-On (Forward)	Key with Coded Tumbler Lock	4 screw	Plated Steel	13/16"-24	O-Ring Seal in Stem
75712-04	75712-04-BX	50A at 12V DC	DPDT	3	Momentary Reversing	Mom Off (Reverse)-Off-Mom On (Forward)	Lever	4 screw 3/32" thick	Plated Steel	½"-20	High Amp Silver Contacts

Rheostat Switches



Ceramic insulator with embedded coil for effective heat dissipation.

Additional information: littelfuse.com/RotarySwitches



PART NUMBERS		VOLTAGE	RESISTANCE	POSITIONS	ACTUATOR		TERMINALS	HOUSING	MOUNTING STEM	DIMENSIONS
BULK	BOXED				KNOB	IMPRINT				
7493	7493-BX	12V DC	8 Ohms	3	Black Plastic Bar Knob	–	2 screw	Plated Steel	7/16"-28	1.32"Ø .88" long (33.5mm Ø 22.4mm long)
7493-07	–	12V DC	8 Ohms	3	Black Plastic Bar Knob	Panel Lamps	2 screw	Plated Steel	15/32" long	



Heater-Defroster Switches

Coil embedded in ceramic insulator for effective heat dissipation.

PART NUMBERS		VOLTAGE	RESISTANCE	POSITIONS	TYPE	ACTUATOR	TERMINALS	MOUNTING HOLE
BULK	BOXED							
68362	68362-BX	12V DC	3 Ohms	4	Off-High-Medium-Low	Black Plastic Bar Knob	2 screw	5/8" Through-Hole

Rotary Wiper Switches

Electronic Windshield Wiper Switches

Universal application. For stem- or bracket-mounting. 15/32"-32 thread mounting stem, with keyway.

- Intermittent delay feature for permanent magnet electric wiper motors
- Negative ground only
- Four positions: Off/Park - Intermittent Range - Low - High
- 7/16"-28 x .45" (11.3mm)
- Round black plastic, white imprinted knob with metal insert and set screw included unless noted otherwise
- Controls single motor unless noted otherwise
- Conforms to SAE J1455, SAE J112a, and SAE J234

Additional information: littelfuse.com/WiperSwitches



PART NUMBERS			VOLTAGE	POSITIONS	CONNECTOR	HOUSING	DIMENSIONS	DYNAMIC PARKING	PUSH-TO-WASH	NOTES	
BULK	BOXED	RETAIL									
75600	-	-	12V DC	4	Delphi 2965977 8-way female connector	Diecast	2 7/32" x 2 7/32" x 1 13/16" (56.4mm x 56.4mm x 46.0mm)	•	•	-	
75600-01	75600-01-BX	-	12V DC		Delphi 6294544 4-way male and Delphi 2977042 6-way male connectors			•†	•	Controls two motors in phase at the same speed	
75600-02	75600-02-BX	-	12V DC		Delphi 2977042 6-way male connector			•	•	-	
75600-04	75600-04-BX	-	12V DC		Color-coded leads			•	•	-	
75600-05	-	-	12V DC		Delphi 6294544 4-way male and Delphi 2977048 4-way female connectors			•	•	-	
75600-07	75600-07-BX	-	12V DC		7 pole connector			•	•	-	
75602-02	-	-	24V DC		Delphi 6294544 4-way male and Delphi 2977042 6-way male connectors			•†	•	Controls two motors in phase at the same speed	
75600-25	-	-	12V DC		6			Six Pin AMP Connector #640585-1	•	•	-
75601-14	75601-14-BX	-	12V DC		5			Delphi (Packard) 8-way male connector 2965972 (mates with 2965977).	•	•	Controls one or two motors
75603-09	-	-	24C DC		5			Nine Pin AMP 1-480707-0 Connector	•	•	-

† = with or without dynamic parking (based on motor capabilities)

11

Electric Windshield Wiper Switches

Universal application. For through hole and panel mounting. 15/32"-32 thread mounting stem, with keyway.

- Three positions: Off/Park - Low - High
- 7/16"-28 x .45" (11.3mm) mounting stem unless noted otherwise
- Round black plastic, white imprinted knob with metal insert and set screw included unless noted otherwise
- Controls single motor unless noted otherwise

Additional information: littelfuse.com/WiperSwitches



PART NUMBERS			VOLTAGE	POSITIONS	TERMINALS	HOUSING	MOUNTING STEM	DIMENSIONS	DYNAMIC PARKING	PUSH-TO-WASH	NOTES
BULK	BOXED	RETAIL									
68159-05	68159-05-BX	—	12V DC	3	5 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)			No electrical break between positions
75212-04	75212-04-BX	—	12V or 24V DC	3	4 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)		•	—
75217-04	—	—	12V or 24V DC	3	6 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)			Controls two motors
75221-06	75221-06-BX	—	12V DC	3	4 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)			Internal 6A circuit breaker
75221-09	75221-09-BX	—	12V DC	3	5 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)		•	Internal 6A circuit breaker
75226	75226-BX	—	12V or 24V DC	3	7 blade	Plated steel	7/16"-28 x .38" (9.6mm)	1 3/8" Ø x 3/8" (34.9mm Ø x 9.5mm)		•	Controls two motors
75228-03	75228-03-BX	—	12V or 24V DC	3	6 blade	Diecast	7/16"-28 x .38" (9.6mm)	1 5/8" Ø (41.3mm Ø)	•	•	—
75228-04	75228-04-BX	—	12V or 24V DC	3	5 blade	Diecast	7/16"-28 x .38" (9.6mm)	1 5/8" Ø (41.3mm Ø)	•		—
75236	75236-BX	—	12V or 24V DC	3	8 blade	Diecast	7/16"-28 x .38" (9.6mm)	1 5/8" Ø (41.3mm Ø)	•	•	Controls two motors

Wiper Switch Accessories



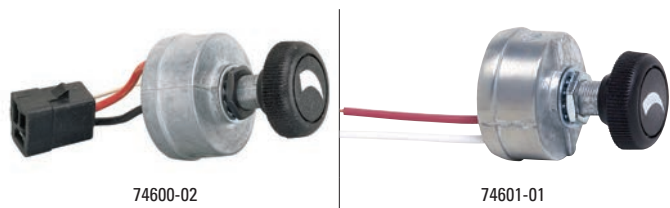
81298-02



81298-34

PART NUMBERS		IMPRINT	FACE DIAMETER	MATERIAL
BULK	BOXED			
81298-02	81298-02-BX	SAE wiper symbol	1 3/16" Ø	Black plastic
81298-34	81298-34-BX	SAE wiper-washer symbol	1 3/16" Ø	Black plastic

Rotary Headlamp Switches



Headlamp Dimmer Switches

- For variable intensity control of lighting applications
- For use in negative ground systems
- Black plastic knob with metal insert and set screw
- Knob imprinted in white with SAE variable symbol
- Diecast case: 1 9/16" Ø (39.7mm) by .883" (22.4mm) long

Additional information: littelfuse.com/RotarySwitches

PART NUMBERS			RATING	DUTY CYCLE	CONNECTOR	CASE		MOUNTING STEM
BULK	BOXED	RETAIL				MATERIAL	DIMENSIONS	
74600-02	-	74600-02-BP	4A at 12V DC	0-100%	3 wire (Load, Battery & Ground) Delphi 2984378 connector on 3" (76.2mm) leads	Diecast	1 9/16" Ø x .883" 39.7mm Ø x 22.4mm	7/16"-28 thread .45" (11.4mm) long
74601-01	74601-01-BX	74601-01-BP	7A at 12V DC	1-99%	2 wires (Load & Battery) 1 25/32" (45.2mm) long	Diecast	1 9/16" Ø x .883" 39.7mm Ø x 22.4mm	7/16"-28 thread .45" (11.4mm) long
74603	74603-BX	-	6A at 12V DC	1-99%	2 wires 2" (50.8mm) long two AMP connectors (load 480054-3, battery 480053-3)	Diecast	1 9/16" Ø x .883" 39.7mm Ø x 22.4mm	7/16"-28 thread .45" (11.4mm) long
74601-06	-	-	7A at 14.7V DC	18% - 45% +/- 5%	TYCO Terminal #3-520106-2	Plated Steel	1 9/16" Ø x .883" 39.7mm Ø x 22.4mm	7/16"-28 thread .45" (11.4mm) long
74601-12	-	-	7A at 14.7V DC	-	2 Terminated Wire TE Connectivity 3-520106-2	Plated Steel	1 9/16" Ø x .883" 39.7mm Ø x 22.4mm	7/16"-28 thread .45" (11.4mm) long



72079-01

Rotary Headlamp Switches

Additional information: littelfuse.com/RotarySwitches



PART NUMBERS		RATING PER CIRCUIT	POSITIONS	ACTUATOR		TERMINALS	CONTACTS	HOUSING	MOUNTING STEM	NOTES
BULK	BOXED			KNOB	IMPRINT					
72079-01		20A at 12V DC	4	Black Plastic	SAE Headlight Symbol	5 screw	Silver	Plated Steel	5/8"-32 thread	O-Ring Seal in Stem

Foot Operated Switches



7785

7792

Foot Operated Turn Switches

Depress to On, spring return to Off. Two switches are needed for left and right turn signals. Plastic-coated, providing protection against moisture, dust and roadsplash.

Additional information: littelfuse.com/FootSwitches

PART NUMBERS		CIRCUITRY	TYPE	NORMAL POSITION	TERMINALS	HOUSING	MOUNTING		STEM SIZE	NOTES
BULK	BOXED						TYPE	HOLES		
7792	7792-BX	SPST	Off-On	Normally Off	2 screw	Diecast PVC Coated	Through-Floorboard	3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø	Sealed
7792-01	7792-01-BX		Depress to On, spring return to Off.	Normally Open	2 Screw	Diecast PVC Coated	Through-Floorboard	3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø	-
7792-03	-		On-Off	Normally Open	2 Wire Leads	Diecast PVC Coated	Through-Floorboard	3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø	-

Foot Operated Switches

Foot Operated Headlamp Dimmer Switches

Depress-release for low beam, depress-release for high beam. Corrosion-resistant diecast metal housings, moisture-repellent insulators.

Additional information: littelfuse.com/FootSwitches



7700



7786



7787



7762

PART NUMBERS		CIRCUITRY	TYPE	TERMINALS	CONNECTOR	HOUSING	MOUNTING		STEM SIZE
BULK	BOXED						TYPE	HOLES	
7700	7700-BX	SPDT	On-On	3x 16 AWG (5.75" long)	-	PVC Coated Diecast	Through-Floorboard	3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	27/32" Ø
7786	7786-BX		-	3 screw	-	Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	1-1/16" Ø
7784	7784-BX		On-On	3 screw	-	Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø
7785-01	-		On-Off	-	Packard Connector 12015792	PVC Coated Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø
7786-01	-		On-On	-	Aptiv 12015793	PVC Coated Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	7/8" Ø
7786-03	-		-	3 wire leads	-	Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	-
7789-02	7789-02-BX		-	3 blade	-	Diecast		3x 1/4"-20 tapped holes 3/4" and 1-3/4" on centers	55/64"
7787	7787-BX		-	3 screw	-	Diecast	2x 1/4"-20 tapped holes 1-3/4" on centers	7/8" Ø	
7762	7762-BX		-	3 blade	30155	Diecast	On-Floorboard	2x 9/32"Ø holes 1-3/4" on centers	-



9060



9183

Foot Operated Starter Switches

Off-On, normally Off. Depress to On, spring return to Off.

Additional information: littelfuse.com/FootSwitches

PART NUMBERS		CIRCUITRY	TYPE	NORMAL POSITION	TERMINALS	MOUNTING		PLUNGER	NOTES	
BULK	BOXED					TYPE	HOLES			
9060	9060-BX	SPST	Off-On	Normally Off	2x 5/16"-24 studs with hexnuts & washers	Through-Floorboard	2x 9/32"Ø holes 1-3/4" on centers	1.83" Long	Autolite SW-40001 (15-47), 15-50, 401A, 4002, 4005, 4010, 4015 (15-51)	Delco D900 (405C)
9183	9183-BX						2x 9/32"Ø holes 1-3/4" on centers	1" Long	Autolite SW-4012 (15-49)	Delco 1996478
91001	91001-BX						2x 7/32" tapped holes 23/32" on center	21/32" long	16 thread and 32 thread terminal posts on body of switch	

Specialty Switches

Backup Switches

- See table below for replacement suitability
- Normally off, on with plunger depressed, spring return to Off

Additional information: littelfuse.com/BackupSwitches



91113



75125



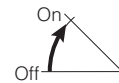
9052

PART NUMBERS		RATING	POLE & THROW	ACTION	NORMAL POSITION	ACTUATOR	MOUNTING	DETAIL	TERMINALS
BULK	BOXED								
91113	91113-BX	20A at 12V DC	SPST	Off-On	Normally Off	Ball	On vehicle transmission	Spring return to Off	2 screw
75125	–	–	SPST	Off-On	Normally Off	5" lever	Two 13/64" (5.2mm) Ø mounting holes, 1/2" (12.7mm) on centers	Back-up alarm switch Spring return to Off	2 screw
9052	9052-BX	10A at 12V DC	SPST	Off-On	–	Button-Head 1/2" (12.7mm) long	7/16" (7.9mm) Ø mounting stem, 7/16" –20 (7.9mm) long, with two flats for mounting in double-D hole	Spring return to Off	2 screw
91105	91105-BX	10A at 12V DC	SPST	Off-On	Normally Off	Button-head actuator, 3/8" (9.5mm) long	3/8 (9.5mm) long. 7/16 -20 (7.9mm) diameter mounting stem	On with plunger depressed, spring return to Off	2 - 18AWG Wire Leads

Stoplamp Switches

- See table below for replacement suitability

Additional information: littelfuse.com/StoplampSwitches



8626



8629



8645



8715



8487

PART NUMBERS		HYDRAULIC	MECHANICAL	POLE & THROW	NORMAL POSITION	DETAIL	MOUNTING	TERMINALS	NOTES	
BULK	BOXED									
8486	8486-BX		•	SPST	Normally On	–	2 - Tapped 10-32 mounting holes 5/8" on centers	2 blade	Lever actuated to Off spring return to On	
8486-05	8486-05-BX				Normally Off	–	2 - Tapped 10-32 mounting holes 5/8" on centers	2 bullet	Lever actuated to On spring return to Off	
8626	8626-BX	•			Normally Off	–	1/8" -27 thread 11/32" (8.73mm) long	2 6-32 screw	Operates at 60-120 psi (414-827 kPa); NPTF dry-seal thread for use without sealant	
8629	8629-BX	•			Normally Off	–	1/8" -27 thread 11/32" (8.73mm) long	2 male bullet	Operates at 60-120 psi (414-827 kPa); NPTF dry-seal thread for use without sealant	
8715	8715-BX		•		Normally On	Moisture-resistant plastic body	1/2" Ø 1 5/32" long		2 blade	Spring return to normal position.
8487	8487-BX		•		Normally On	Lever is 2 7/8" overall length	Tapped 10-32 mounting holes 5/8" on centers		2 bullet	Spring return to normal position.

11

Neutral Safety Ball Switches

- Spring return to normal position
- Moisture-resistant insulators
- Corrosion-resistant metal housings
- Silver contacts

Additional information: littelfuse.com/NeutralSafetySwitches



9242



9242-01



92102



92107-04



9162-03



9224

PART NUMBERS		RATING	POLE & THROW	NORMAL POSITION	MOUNTING	DETAIL	TERMINALS
BULK	BOXED						
9242	9242-BX	35A at 12V DC 20A at 24V DC	SPST	Normally Off	9/16" -18 UNF-2A thread, 5/16" (7.9mm) long	–	2 screw
9242-01	9242-01-BX	35A at 12V DC 20A at 24V DC	SPST	Normally Off	9/16" -18 UNF-2A thread, 5/16" (7.9mm) long	Same as 9242 but with brass gasket/washer	2 screw
92102	92102-BX	35A at 12V DC 20A at 24V DC	SPST	Normally Off	9/16" -18 UNF-2A thread, 21/32" (16.7mm) long	Accepts female blade terminals or Delphi 2962679 2-pole connector	2 button head
92107-04	92107-04-BX	20A at 12V DC	SPST	Normally Off	3/4" -16 UNF-2A thread, 31/64" (12.3mm) long	–	2 screw
9162-03	–	35A at 12V DC	SPST	Normally Off	3/4" -16 UNF-2A thread, 31/64" (12.3mm) long	Gasket on mounting stem	2 female bullet
9224	9224-BX	5A at 12V DC 3A at 24V DC	SPST	Normally On	3/4" -16 UNF-2A thread, 31/64" (12.3mm) long	Aluminum gasket/washer	2 screw
9224-07	9224-07-BX	5A at 12V DC	SPST	Normally On	1/4"-32 thread 1/4" long	–	2 screw



83377

Neutral Safety and Backup Lamp Switch Accessories

For Neutral Safety and Back-up Lamp Switches. Molded of durable PVC to resist moisture and dirt. Internal ring forms a seal with the groove around the switch housing.

PART NUMBERS		DETAIL	MOUNTING
BULK	BOXED		
83377	83377-BX	Protective boot for switches with 1 1/8" hex housing. Part Numbers: 9224, 9242, 9242-07, 92102, 92103, 92105, 92107-04.	Internal ring forms seal with switch housing groove