

B toggle switches

B9 ACCESSORIES

Switch Guards

Switch guards help prevent accidental actuation of a toggle switch and protect it from damage.

Typical uses:

Switch is in a vulnerable position – like a light switch in a truck cargo section.

Switch controls a vital function that must not be accidentally operated – like the hose return switch on an oil truck.

Switch is important, but infrequently used – like an emergency switch.

Cole Hersee switch guards give you a choice of protection from the simple flanged faceplate to the recessed faceplate, or the complete protection of the 82468 flip cover. For complete lockout protection of electrical circuits, we recommend rotary Master Disconnect Switches with lockout/tagout protection, such as 2484 with 24505.

82465 walled faceplate switch guard



Guard is easily added to an already installed switch, providing lateral mechanical protection. For switches with 15/32" diameter mounting stems with a keyway. Stamped On, Off. 1" x 2.125" (25.4 x 54.0mm). Two .140" (3.6mm) mounting holes 1.87" (47.6mm) on centers.

5543-15 recessed faceplate switch guard



Faceplate only: does not include switch. Needs to be counter-sunk in a 2" (50.8mm) hole. 3 3/16" (81.0mm) diameter with three 7/32" (5.6mm) holes on a 2 3/4" (69.9mm) diameter circle. Requires a clearance depth of .890" (22.6mm), not including clearance for a switch. Other colors, metals and finishes are available on special order. Contact Cole Hersee.

82468 flip cover switch guard BP ★



With cover up.

With cover closed.

Provides the maximum protection, and can be easily added to an already installed switch by unscrewing and replacing the facenut. Spring-loaded snap action cover returns the switch to the 'safe' position when closed, and secures it there. Rugged red melamine cover is colorfast at temperature extremes and is resistant to most contaminants, like fuel oil. Other colors are available by special order. Recommended for use with standard 11/16" toggle handle Off-On or On-On switches with a keyway in the bushing. Steel faceplate with black glossy finish. Height closed 1.08" (27.4mm); height open 1.71" (43.5mm). 1.80" (45.8mm) long x .67" (17.0mm) wide. Mounting hole diameter .47" (11.9mm). Accepts switches with standard 15/32" diameter mounting stems.

Handle Extensions

Rigid plastic extension snaps over standard or ball handled toggle switches, extending a standard handle to 1 7/8" (47.6mm) long. Enables switches to be easily color-coded. Packed 10 of each color per package.



81271 red

81272 yellow

81273 black

81261* fluorescent green

81262 fluorescent blue

81263 fluorescent white

★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply.



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Faceplates

Fit all toggle switches with standard 15/32" diameter mounting stem and keyway.

8250 nickel-plated ★



Nickel-plated steel. 1" x 5/8"
(25.40 x 15.87mm). Stamped On, Off.

M-518* chrome-plated

Same as 8250, except chrome-plated brass.

M-506* 4-gang faceplate

Nickel-plated brass, stamped On, Off. Accepts four 10-32 mounting screws. 2.187" x 3.380" (55.5 x 85.9mm).



M-505* 3-gang faceplate

2.187" x 2.562" (55.5 x 65.1mm).

M-507* 5-gang faceplate

2.187" x 4.187" (55.5 x 106.3mm).

M-508* 6-gang faceplate

2.187" x 5.000" (55.5 x 127.0mm).

83252 Black Facenut

Brass facenut, black finish.
For 54100 series switches,
to replace plastic facenut.



Terminal Blade Adapter

55023-10



Attaches to a No. 6 screw terminal, converting to a standard 1/4" wide blade terminal. Brass.

100 pieces per package.

Toggle Boot Seals

Durable silicone rubber bonded to a standard 15/32" -32 thread nickel plated brass hexnut. When the nut is tightened to the stem of a toggle switch, the rubber forms an O-ring seal with the panel. Full boots completely cover a standard 11/16" (17.5mm) handle. Boot seals protect switches from moisture and dirt; colored boots provide color-coding for ready identification of switches.



81264 gray BP ★

81264-05 red BP

81264-01 black BP

81264-06 brown

81264-02 blue BP

81264-07 yellow

81264-03 clear BP

81264-08 orange

81264-04 green BP

Half-Boot Seal

81255 BP ★



Allows any length of handle to protrude, yet seals tightly to handle. Suitable for all toggle switches in this catalog excepting squared handle switches as in Section B1.

B toggle switches

B10 INFORMATION

SPST SPDT DPST DPDT

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

Pole refers to the number of circuits controlled by the switch: SP switches control only one electrical circuit.

DP switches control two independent circuits (and act like two identical switches that are mechanically linked).

Do not confuse 'pole' with 'terminal'. The DPST switch, for example, has four terminals, but it is a DP, not a 4P switch.

Throw refers to the extreme position of the actuator:

ST switches close a circuit at only one position.

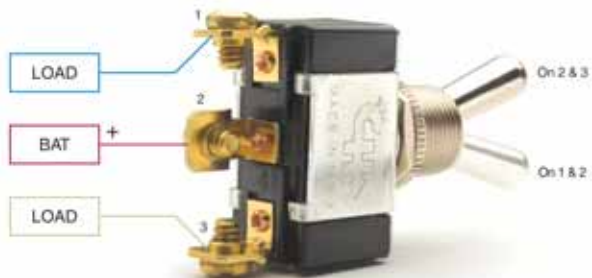
The other position of the handle is Off.

DT switches close a circuit in the Up position, as well as the Down position (On-On). A DT switch can also have a center position (frequently On-Off-On).

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



SPST On-Off



SPDT On-On

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



SPDT On-Off-On

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



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.



DPDT On-On

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

Single pole/throw and double pole/throw switches are by far the most common switches, but triple and quadruple configurations are also available. They are commonly denoted 3PST, 3PDT, 4PDT, etc. For our switches of this type, see Rotary Switches, section D1.