

B toggle switches

B6 MEDIUM DUTY SPST OFF-ON SWITCHES

Down: Off, Up: On. Standard or ball handle. In chrome plated brass or nickel-plated brass handle, facenut and mounting stem. Silver contacts. Mounting stem has 15/32" -32 thread, 15/32" (11.9mm) long, and fits panels up to 9/32" (7.2mm) thick. Screw or blade terminals, or wire leads. Phenolic housing with plated steel frame. Keyway is in the down position. 10A at 12V DC.



Ball handle: 3/8" (9.52mm) long.

Standard handle: 11/16" (17.46mm) long.

Nickel-plated brass handle

5507 ball handle, two screw terminals

5558 standard handle, two screw terminals **BP** ★

5568 ball handle, two 6" leads

5570 standard handle, two 6" leads

55012 ball handle, two blade terminals

55013 standard handle, two blade terminals

Chrome-plated brass handle

M-484 standard handle, two screw terminals **BP** ★

Also available by special order as a panel assembly. (M-515-01, M-516-01, M-517.)

M-493 ball handle, two screw terminals **BP**

M-584 standard handle, two 6" leads **BP** ★

M-586 standard handle, two blade terminals

toggle switches

B7 HEAVY DUTY & EXTRA HEAVY DUTY SWITCHES 20A AND 30A

551800 Series Heavy Duty & Extra Heavy Duty Switches 20A and 30A

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). Steel screw or blade terminals. Plated steel hexnut.



Heavy Duty

20A at 6-12V DC.

551000* SPST On-Off

Up: On, Center: Off. Two blade terminals.

551001 SPST Mom On-Off

Up: Mom On, Center: Off. Two blade terminals.

551014* SPST On-Off Grounding Switch

Up: On, Center: Off. One blade terminal.

On: contacts closed, terminal grounded to the housing.

551015* SPST Mom On-Off Grounding Switch

Up: Mom On, Center: Off. One blade terminal.

On: contacts closed, terminal grounded to the housing.

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



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24

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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.