

B5 HEAVY DUTY SWITCHES 25A

Standard or long handle. Universal application. Silver contacts. 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. Nickel-plated brass mounting hardware. Blade terminals: .250 quick connect. Screw terminals: 6-32 screws. 25A at 12V DC, 15A at 24V DC.



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



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



PVC coated housing
with wire leads.

SPST

5520 On-Off BP ★
Up: On, Down: Off. Two screw terminals. O-ring seal.

5582 On-Off BP ★
Up: On, Down: Off. Two screw terminals.

5582-10 On-Off, PVC coated ★
Up: On, Down: Off. Two 8" (203.2mm) leads. O-ring seal. Mounting stem is 11/32" (8.7mm) long, and fits panels up to 3/16" (4.8mm) thick.

55014 On-Off BP ★
Up: On, Down: Off. Two blade terminals.

55014-05 On-Off
Up: On, Down: Off. Two blade terminals. O-ring seal in the stem.

55023 On-Off
Up: On, Down: Off. Two screw terminals with 2 blades attached.

55055 On-Off, long handle BP
Up: On, Down: Off. Two blade terminals.

55055-01 On-Off, long handle
Up: On, Down: Off. Two screw terminals.

SPST Momentary

55020 Off-Mom On BP ★
Up: Off, Center: Mom On. Two screw terminals.

55020-02 Off-Mom On
Up: Off, Down: Mom On. Two screw terminals. O-ring seal.

55020-04 Off-Mom On, PVC coated ★



Moisture- and dirt-resistant. PVC coated and sealed with an O-ring seal in the stem. Up: Off, Down: Mom On. Two 8" (203.2mm) leads.

55037 Off-Mom On
Up: Off, Center: Mom On. Two blade terminals.

55049-01 On-Mom Off
Up: On, Down: Mom Off. Two blade terminals.

55052-01 On-Mom Off, long handle
Up: On, Center: Mom Off. Two blade terminals.

SPST, DPDT?

See Section B10.

CONTINUED **B5**

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

SPDT

5584 On-On ★

Up: On, Down: On. Three screw terminals.

5586 On-Off-On BP ★

Up: On, Center: Off, Down: On. Three screw terminals.

55015 On-On

Up: On, Down: On. Three blade terminals.

55016 On-Off-On

Up: On, Center: Off, Down: On. Three blade terminals.

55016-06 On-Off-On

Up: On, Center: Off, Down: On. O-ring seal in the stem. Three blade terminals.

55036 On-Off-On, PVC coated BP ★

Up: On, Center: Off, Down: On. PVC coated housing, with three 9.5" (241.3mm) leads. Leads have tinned brass terminals. O-ring seal in the stem.

SPDT Momentary

55021 Mom On-Off-Mom On BP ★

Up: Mom On, Center: Off, Down: Mom On. Three screw terminals.

55021-04 Mom On-Off-Mom On

Up: Mom On, Center: Off, Down: Mom On. O-ring seal in the stem. Three screw terminals.

55021-07 Mom On-Off-Mom On, PVC coated BP ★

Up: Mom On, Center: Off, Down: Mom On. PVC coated housing with three 8" (203.2mm) leads. O-ring seal in the stem. Mounting stem is 11/32" (8.7mm) long, and fits panels up to 3/16" (4.8mm) thick.

55021-08 Mom On-Off-Mom On, long handle

Up: Mom On, Center: Off, Down: Mom On. Three screw terminals.

55033-01 Mom On-Off-Mom On ★

Up: Mom On, Center: Off, Down: Mom On. Three blade terminals.

55033-02 Mom On-Off-Mom On, long handle

Up: Mom On, Center: Off, Down: Mom On. Three blade terminals.

55088 On-Off-Mom On ★

Up: On, Center: Off, Down: Mom On. Three screw terminals.

DPST

5588 On-Off BP ★

Up: On, Down: Off. Four screw terminals.

55017 On-Off BP ★

Up: On, Down: Off. Four blade terminals.

55017-02 On-Off

Up: On, Down: Off. O-ring seal in the stem. Four blade terminals.

DPDT

5590 On-On ★

Up: On, Down: On. Six screw terminals.

5592 On-Off-On BP ★

Up: On, Center: Off, Down: Off. Six screw terminals.

55018 On-On BP ★

Up: On, Down: On. Six blade terminals.

55019 On-Off-On BP ★

Up: On, Center: Off, Down: Off. Six blade terminals.

55057 On-Off-On, long handle ★

Up: On, Center: Off, Down: Off. Six blade terminals.

DPDT momentary

55054 Mom On-Off-Mom On BP ★

Up: Mom On, Center: Off, Down: Mom On. Six screw terminals.

55054-04 Mom On-Off-Mom On, long handle

Up: Mom On, Center: Off, Down: Mom On. Six screw terminals.

55065-02 Mom On-Off-Mom On, long handle ★

Up: Mom On, Center: Off, Down: Mom On. Six blade terminals.

55065-03 Mom On-Off-Mom On BP ★

Up: Mom On, Center: Off, Down: Mom On. Six blade terminals.

55081 On-Off-Mom On

Up: On, Center: Off, Down: Mom On. Six blade terminals.

55094 Mom On-On-Off, ignition-start

Up: Mom On terminals 2&3, 5&6, Center: On terminals 2&3, Down: Off. Four screw terminals. For starting and running coil type ignition engines.

DPDT Reversing Polarity

Forward/reverse switches for use with permanent magnet motors.

5590-06* On-On

Up: On terminals 1&5, 2&4, Down: On terminals 1&2, 4&5. Four screw terminals. O-ring seal.

55018-01 On-On

Up: On, Down: On. Four blade terminals.

55046 Mom On-Off-Mom On ★

Up: Mom On, Center: Off, Down: Mom On. Four blade terminals.

55046-06 Mom On-Off-Mom On, long handle

Up: Mom On terminals 1&5, 2&4, Center: Off, Down: Mom On terminals 1&2, 4&5. Four blade terminals. O-ring seal.

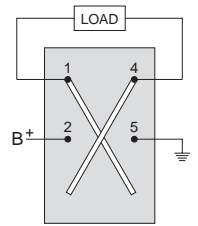


reversing polarity switches

For changing the direction of permanent magnet motors.

Toggle Switches (Section B)

- 55018-01 On-On
- 55046 Mom On - Off - Mom On
- 55046-04 Mom On - Off - Mom On
- 55046-06 Mom On - Off - Mom On
- 55046-11 Mom On - Off - Mom On
- 5590-06 On - On



Rotary Switches (Section D)

- 90005-03 Mom On - Off - Mom On
- 90005-01 Mom On - Off - Mom On. Keyed

Rocker Switches (Section A)

- 57014-03 Mom On - Off - Mom On
- 58027-18 Mom On - Off - Mom On



custom switches

If it's not in the catalog, we can probably make it for you.

One of our customers had a need for a switch that could be fixed to the exterior of a garbage truck. Their current switches had to be replaced several times a year, due to failures caused by harsh environmental conditions. They also wanted a switch that could be surface mounted, for easy access, and yet tough enough to withstand side impact and the worst possible weather.

The solution: a bushing-sealed switch, potted entirely in high-strength epoxy resin to seal out all entry points for moisture and dirt, and contained within an impact-resistant flanged casing for easy mounting. Sealed to IP-67, 25A at 12V, 15A at 24V.

Such a switch is ideal for tough applications like cement mixers, construction vehicles, outdoor equipment and lift platforms.

Special switches? Consult Cole Hersee.

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.

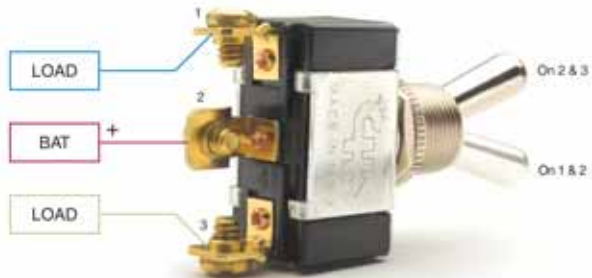
The other position of the handle is Off.

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.