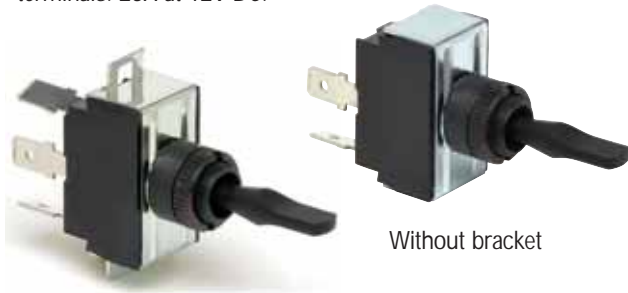


# B toggle switches

## B3 FREIGHTLINER REPLACEMENT SWITCHES 25A

### 59024-00 Freightliner Replacement Switches 25A

Terminals are arranged to match OEM wiring connectors. With or without brackets. Silver contacts. Black phenolic switch housing with metal cap. 15/32" -32 thread mounting stem. Fits panels to .093" (2.4mm) with spacer provided, or to .25" (6.4mm) without spacer. Includes mounting hardware: black metal facenut. Keyway is in the down position. Black plastic 1" (25.4mm) handle, matte finish. Tin-plated blade terminals. 25A at 12V DC.



With bracket

Without bracket

#### With bracket

##### 59024-33 SPST On-Off ★

Up: On, Center: Off. Two blade terminals. Dual contacts for extra durability.

##### 59024-34 SPDT On-Off-On

Up: On, Center: Off, Down: On. Three blade terminals. Dual contacts for extra durability.

##### 59024-35 DPST On-Off

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

##### 59024-36 DPDT On-Off-On

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

##### 59024-37 DPST On-Mom Off

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

##### 59024-38 DPDT Mom On-On-Mom On

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

#### Without bracket

##### 59024-12 SPST On-Off ★

Up: On, Down: Off. Two blade terminals. Dual contacts for extra durability.

##### 59024-13 SPDT On-Off-On

Up: On, Center: Off, Down: On. Three blade terminals. Dual contacts for extra durability.

##### 59024-14 DPST On-Off

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

##### 59024-15 DPDT On-Off-On ★

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

##### 59024-16 DPST On-Mom Off

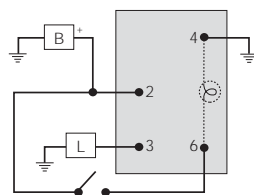
Center: On, Down: Mom Off. Four blade terminals.

# toggle switches

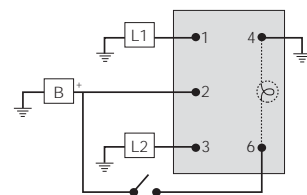
## B4 LIGHTED TIP SWITCHES 25A

### M-54111 Lighted Tip Switches 25A

Tip of handle is illuminated Red in the On position, illuminated Clear in the Off position. Silver contacts. 15/32" -32 thread mounting stem. Nickel-plated brass hexnut. Black plastic handle, housing and facenut. Keyway in the down position. Blade terminals. Independent illumination. 25A at 12V DC. Plastic facenut can be replaced with black metal facenut 83252 (Section B9).



M-54111-01, SPST



M-54111-02, SPDT

##### M-54111-01 SPST On-Off BP ★

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

##### M-54111-02 SPDT On-Off-On BP

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

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



# 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.*

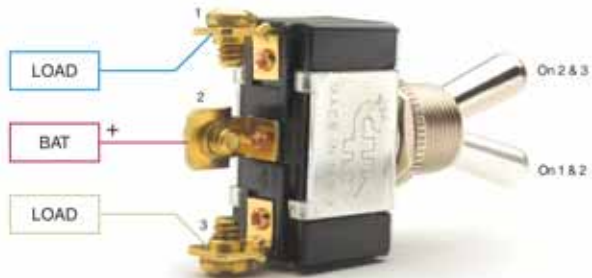
*The other position of the handle is Off.*

*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.*