

rocker switches



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rocker switches

A1 WEATHER-RESISTANT ROCKER SWITCHES

Switches for universal applications. Contact area sealed against dirt and moisture entry to IP66. Snap-in mounting fits standard hole .830" x 1.45" (21.1 x 36.8mm). Fits panels from .093" to .187" thick (2.4 x 4.7mm). For bezels to hold these switches together side by side, see Section A7. Circuit diagrams: see Section A8.

58328 Series with Pilot Lights, 25A

Single or dual pilot lights, dependent or independent illumination. Faceted lenses are on the actuator. Matte finish black plastic housing, bezel and actuator. Silver contacts, brass blade terminals. 25A at 12V DC.

Each of the five electrical configurations of switch is also available as a BP (bubble pack) retail unit, containing separate lenses of all colors. Lenses snap easily into place.

One Pilot Light

Off-On SPST, dependent

Three blade terminals.
Diagram F, Section A8.

58328-04 Red lens ★

58328-11 Green lens ★

58328-12 Clear lens

58328-13 Amber lens ★

58328-100BP Kit **BP** ★

With one lens of each color. BP only.

58328-64 Fog light symbol

Amber lens. Fog light symbol imprinted on the actuator.



Off-On SPST, independent

Four blade terminals. Diagram G, Section A8.

58328-01 Red lens

58328-02 Green lens

58328-09 Clear lens

58328-10 Amber lens

58328-101BP Kit **BP**

With one lens of each color. BP only.



diagrams

See Section A8 for circuit diagrams.

CONTINUED **A1**



Two Pilot Lights*Lens colors are listed top lens/bottom lens.***On-On SPDT, two dependent**

Four blade terminals. Diagram J, Section A8.

58328-08 Green/Green

58328-14 Amber/Amber

58328-15 Clear/Clear

58328-16 Red/Red

58328-17 Amber/Clear

58328-18 Amber/Green

58328-19 Amber/Red

58328-20 Clear/Green

58328-21 Clear/Red

58328-22 Green/Red

58328-102BP Kit **BP**

With two lenses of each color. BP only.

**Off-On SPST, dependent and independent**

Four blade terminals. Diagram H, Section A8.

58328-05 Red/Clear

58328-39 Green/Green

58328-40 Red/Red

58328-47 Green/Amber

58328-48 Green/Clear

58328-49 Green/Red

58328-50 Red/Amber

58328-51 Red/Green

58328-104BP Kit **BP**

With one lens of each color and size. BP only.

**On-Off SPDT, two dependent**

Four blade terminals. Diagram J, Section A8.

58328-06 Red/Clear

58328-07 Green/Clear

58328-25 Green/Green

58328-26 Red/Red

58328-33 Green/Amber

58328-34 Green/Red

58328-35 Red/Amber

58328-36 Red/Green

58328-103BP Kit **BP**

With one lens of each color and size. BP only.

**build any of
the 58328 switches**

Five handy kits cover all the electrical types and pilot light combinations. Each kit comes with a set of snap-in pilot light lenses, so it's easy to make up a switch with the lens color you need.

The five kits are individually retail-packed in clamshell BP units.

58328-100BP On-Off SPST, dependent

With one each Amber, Clear, Green, and Red lens.

58328-101BP On-Off SPST, independent

With one each Amber, Clear, Green, and Red lens.

58328-102BP On-On SPDT, dependent

With two each Amber, Clear, Green, and Red lenses.

58328-103BP Off-On-On, dependent

With one each large Amber, Clear, Green, Red, and one each small lenses.

58328-104BP On-Off SPST, one dependent, one independent

With one each large Amber, Clear, Green, Red, and one each small lenses.

SPST, DPDT...?

See Section B10 for an explanation of terms.

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

A1 WEATHER-RESISTANT ROCKER SWITCHES

With and Without Pilot Lights, 25A

Unlit, single or dual dependent pilot lights. Matte black plastic housing, bezel and actuator. Silver contacts. 56 Series has brass screw terminals. 58 Series has brass blade terminals. 25A at 12V DC. Other screw terminal switches in this series are available – contact Cole Hersee.



With Pilot Light(s)



SPST

Diagram F.

56327-01 Off-On BP ★

One red pilot light. Three screw terminals.

58327-01 Off-On BP ★

One red pilot light. Three blade terminals.

SPDT

Diagram J.

58327-06 On-Off-On BP ★



Two red pilots. Four blade terminals.

wiring diagrams

See Section A8.

Without Pilot Lights

SPST

56027-01 On-Off BP ★

Two screw terminals. Diagram A.

58027-01 On-Off ★

Two blade terminals. Diagram A.

58027-02 Off-Mom On BP ★

Two blade terminals. Diagram A.

58027-05 On-On

Three blade terminals. Diagram B.



58027-17 Fog Light Symbol

On-Off. Two blade terminals.

Diagram A.



SPDT

Diagram B.

58027-03 On-Off-On BP ★

Three blade terminals.

58027-04 Mom On-Off-Mom On BP ★

Three blade terminals.

DPST

Diagram C.

58027-06 Off-On

Four blade terminals.

DPDT

58022-03 Mom On-On-Off; Ignition/Start

Four blade terminals. Glossy finish plastic.

58027-07 On-Off-On BP ★

Six blade terminals. Diagram E.

58027-08 On-On

Six blade terminals. Diagram D.

58027-11 Mom On-Off-Mom On BP ★

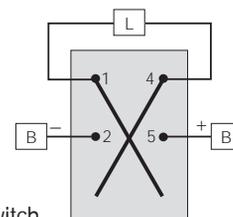
Six blade terminals. Diagram E.

56027-11 Mom On-Off-Mom On

Six screw terminals. Diagram E.

58027-18 Mom On-Off- Mom On; Forward-Reverse

Four blade terminals.



Forward-Reverse switch

CONTINUED **A1**

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

M-58031 Series, 20A

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

**M-58031-01 SPST Off-On BP**

Two blade terminals. Diagram Q.

M-58031-02 SPDT On-Off-On BP

Three blade terminals. Diagram R.

M-58031-04 DPST Off-On BP

Four blade terminals. Diagram T.

M-58031-05* DPDT On-Off-On

Six blade terminals. Diagram P.

M-58031-06 DPDT On-On

Six blade terminals. Diagram P.

M-58031-07 SPST Off- Mom On BP

Two blade terminals. Diagram Q.

M-58031-08 SPST Mom On-Off – Mom On

Three blade terminals. Diagram R.

M-58031-09* DPDT Mom On - Off- Mom On

Six blade terminals. Diagram P.

**locking switch**

SPST On-Off. Bright orange lock automatically locks the actuator when in the Off position, and must be slid to allow the actuator to be moved to the On position. Matte black finish housing, bezel and actuator. Two blade terminals. 20A at 12V DC.

58326 Series with Pilot Lights, 20A

Single or dual pilot lights. Faceted lenses inset into the actuator. Matte black plastic housing, bezel and actuator. Silver contacts, up to eight brass blade terminals, of which terminals 7 & 8 connect the pilot light(s). Internal seal. Many other imprinted switches are available in this series. 20A at 12V DC. All are specified for Thomas Built® school buses except 58326-01.

**58326-01 SPST Off-On red lens**

Off-On 5&6. Not imprinted. Independent illumination. Consult Cole Hersee for other styles. Diagram L.

58326-11 Warning lights switch, Off-On-Mom On

DP Off - On 2&3 - Mom On 2&3 and 5&6. Imprinted 'Amber. Warning (On). Off' with SAE warning lamp symbol imprinted on the white lens. Independent illumination. Diagram M.

58326-12 Left heater fan switch, On-Off-On

DPDT On 1&2, 4&5 – Off - On 2&3, 5&6. Imprinted 'High. Left Heater. Low' with SAE fan symbol imprinted on the white lens. Independent illumination. Diagram O.

58326-21 Windshield washer switch, Off-Mom On

SPST Off- Mom On 2&3. Imprinted 'On. W/S Washer' with SAE washer symbol imprinted on the white lens. Independent illumination. Diagram N.

58326-24 Windshield defrost switch, On-On-On

DPDT On 1&2, 4&5 – On 2&3, 5&4 – On 2&3, 5&6. Imprinted 'Lo/Hi. Def. Off' with SAE defroster symbol imprinted on the white lens. Independent illumination. Diagram O.

58326-25 Left heater switch, On-On-On

DPDT On 1&2, 4&5 – On 2&3, 5&4 – On 2&3, 5&6. Imprinted 'Lo/Hi. Left Heater. Off' with SAE fan symbol imprinted on the white lens. Independent illumination. Diagram O.

58326-27 Passenger heater fan switch, On-On-On

DPDT On 1&2, 4&5 – On 2&3, 5&4 – On 2&3, 5&6. Imprinted 'Lo/Hi. Pass Heater. Off' with SAE fan symbol imprinted on the white lens. Independent illumination. Diagram O.

58326-29 Fan switch, On-On-On

DPDT On 1&2, 4&5 – On 2&3, 5&4 – On 2&3, 5&6. Imprinted 'Lo/Hi. Fan. Off' with SAE fan symbol imprinted on the white lens. Independent illumination. Diagram O.

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

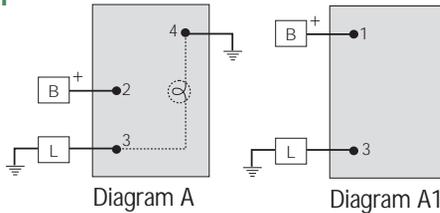
SP & DP Switches with 6 Terminal Locations

Diagrams represent both momentary contact or maintained contact switches.

Switches without Pilot Lights

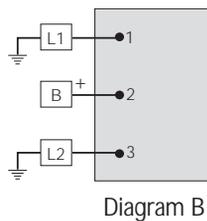
SPST Off-On

Two terminals.



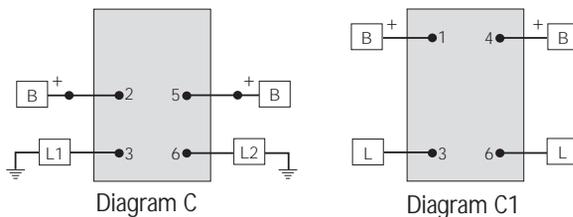
SPDT On-Off-On

Three terminals.



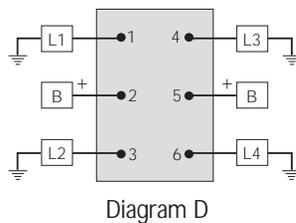
DPST Off-On

Four terminals.



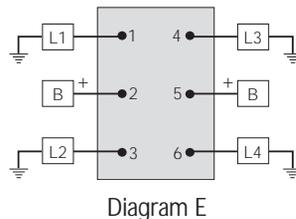
DPDT On-On

Six terminals.



DPDT On-Off-On

Six terminals.



Switches with One Pilot Light

SPST Off-On, dependent

Dependent illumination. Three terminals.

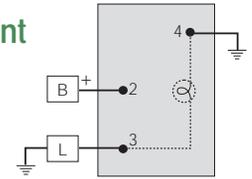


Diagram F

SPST Off-On, independent

Independent illumination. Four terminals. To convert an independent switch into dependent, connect a jumper wire from terminal 3 to terminal 6, and connect terminal 4 to ground.

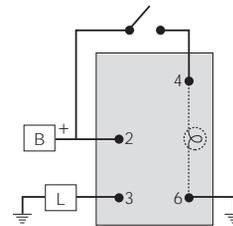


Diagram G1
Independent illumination

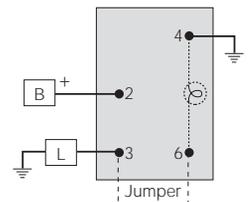


Diagram G2
Independent illumination switch converted to dependent

Switches with Two Pilot Lights

SPST Off-On, dependent & independent

Four terminals.

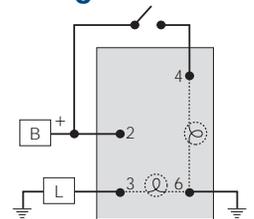


Diagram H

SPDT On-Off-On, or On-On, dependent

Four terminals.

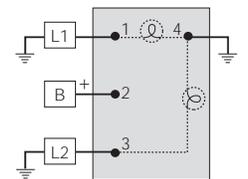


Diagram J

SPDT On-Off-On, or On-On, independent

Four terminals.

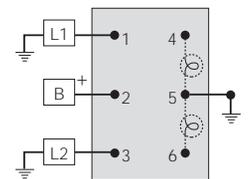


Diagram K

SP&DP Switches with 8 Terminal Locations

Some switches have a maximum of eight possible locations for terminals. Switches of this type include M-58031 Series and 58326 Series in Section A1. Diagrams represent both momentary contact or maintained contact switches.

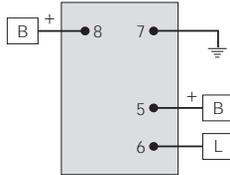


Diagram L

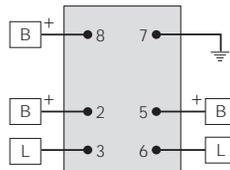


Diagram M

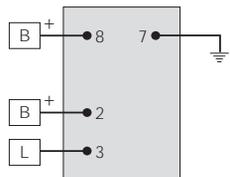


Diagram N

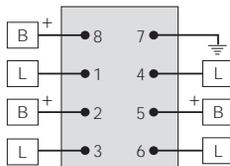


Diagram O

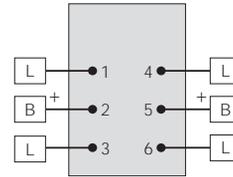


Diagram P

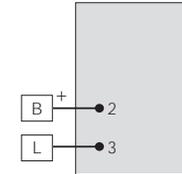


Diagram Q

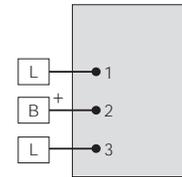


Diagram R

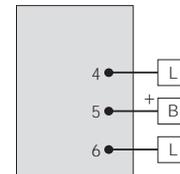


Diagram S

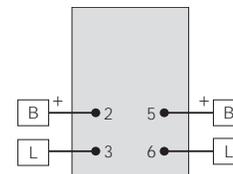


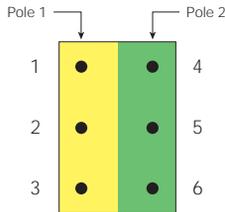
Diagram T

How to Identify a 6-terminal switch

You can find out the type of rocker or toggle switch by a quick visual inspection.

Look at the back of the switch, where the terminals are. Notice that there are six possible terminal positions.

Toggle and rocker switches are designed so that each vertical set of terminals makes up one pole.

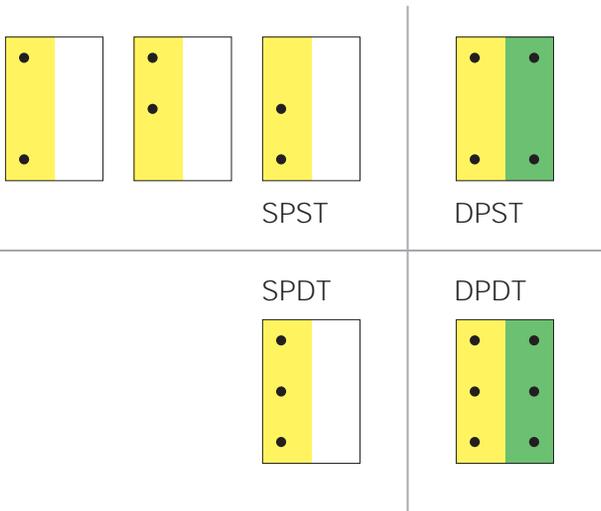


You can see immediately that a switch with three vertically-organized terminals must be a SPDT. Now check the actuator (rocker or toggle handle) to see if the switch is 2-position or 3-position.

If it only has two terminals, it must be a SPST, the simplest of all switch configurations. Notice that the two terminals are organized vertically (never side-by-side). Terminals can be located at 1 and 2, 1 and 3, or 2 and 3.

If it has terminals at 1, 3, 4 and 6, it must be a DPST. You can see that it utilizes the left side (pole 1) and right side (pole 2) of the switch — two poles (DP).

If it has six terminals, it's a DPDT. Check the actuator to see if the switch is 2-position or 3-position.



For explanation of SPST, DPST, SPDT, DPDT, see Section B10.

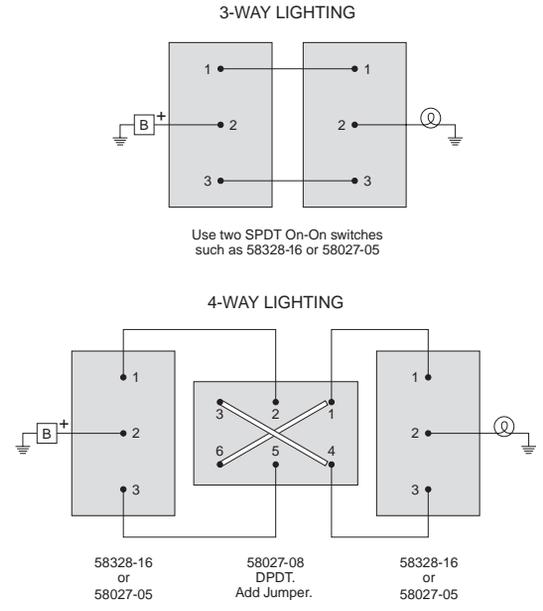


rotary

Our new 72150 Series Rotary Switches have many of the electrical configurations that are available in rocker switches: SP/DP; single-, double-, triple-, and quadruple-throw; illuminated or not; momentary/maintained; imprinted or not; and with a choice of knob styles. Compact, with a durable Nylon 6/6 body. IP-53. 10A and 20A. Check them out in section N1.

3- and 4-way lighting

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



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