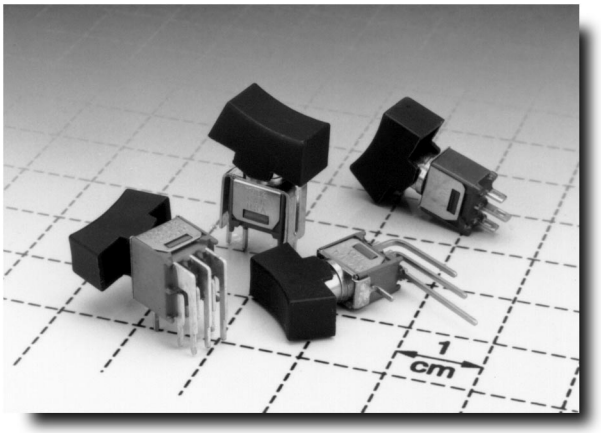
Models Available

Features/Benefits

- *Compact size—small footprint*
- *Single and double pole models*
- *PC and panel mounting options available*

Typical Applications

- *Telecommunications*
- *Instrumentation*
- *Medical equipment*



Build-A-Switch

Our easy Build-A-Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box. Switches with standard options are shown on pages F-44 and F-45. Available options are shown and described on pages F-45 thru F-48. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.

Typical Example: T 1 0 1 — J 1 — Z — Q — E — 2

Switch Function
- T101 **(STD.) SP On-None-On**
- T201 **(STD.) DP On-None-On**
- T102 SP Off-None-On
- T103 SP On-Off-On
- T105 SP Mom.-Off-Mom.
- T107 SP On-Off-Mom.
- T108 SP On-None-Mom.
- T203 DP On-Off-On
- T205 DP Mom.-Off-Mom.
- T207 DP On-Off-Mom.
- T208 DP On-None-Mom.
- T211 DP On-On-On

Actuator
- J1 **(STD.) Rocker**
- J6 **(STD.) Rocker**

Terminations
- A **(STD.) Right angle, PC thru-hole**
- AV **(STD.) Vertical Right angle**, PC thru-hole
- C **(STD.) PC Thru-hole**
- Z **(STD.) Solder lug**
- V3 V-bracket
- W Wire wrap

Contact Material
- B **(STD.) Gold**
- Q **(STD.) Silver**
- K Gold
- M Silver
- G Gold over silver
- L Gold over silver

Seal
- E **(STD.) Epoxy**

Actuator Color
- 2 **(STD.) Black**
- 1 White
- 3 Red

F Rocker

Specifications

CONTACT RATING: Q contact material (TX01 models): 3 AMPS @ 120 V AC or 28 V DC. All other models: 2 AMPS @ 120 V AC or 28 V DC. See page F-48 for additional ratings.

ELECTRICAL LIFE: TX01 models: 60,000 make-and-break cycles at full load. All other models: 30,000 cycles.

CONTACT RESISTANCE: Below 20 milliohms typ. initial @ 2–4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10^9 ohms min.

DIELECTRIC STRENGTH: 1000 V RMS min. @ sea level.

OPERATING TEMPERATURE: –30°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized or diallyl phthalate (DAP), (UL 94V-0).

ACTUATOR: Nylon, black standard.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, tin plated.

MOUNTING BRACKET: Stainless steel.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page F-48 for additional contact materials.

CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page F-48 for additional contact materials.

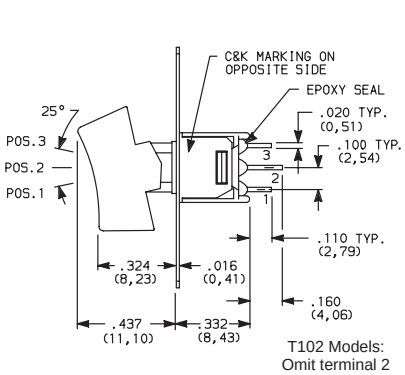
TERMINAL SEAL: Epoxy.

HARDWARE: Nut, Screws & Lockwasher: Stainless steel. Standoff: Nylon standard, aluminum available, consult Customer Service Center.

SWITCHES WITH STANDARD OPTIONS



T101J1ZBE2
SPDT



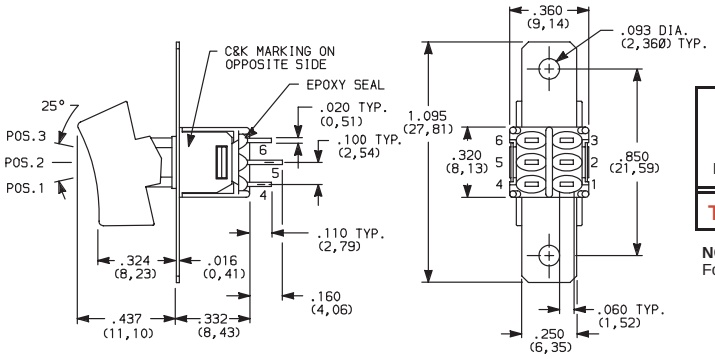
T102 Models:
Omit terminal 2

PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T101J1ZQE2	SPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'. For panel mounting information, see page F-46.



T201J1ZBE2
DPDT

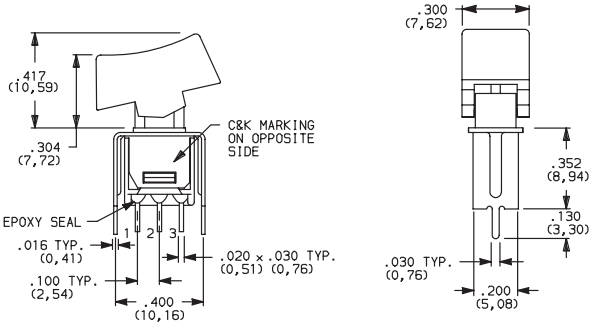


PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T201J1ZQE2	DPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'. For panel mounting information, see page F-46.



T101J1V3BE2
SPDT



Actuator Shown In Pos. 1

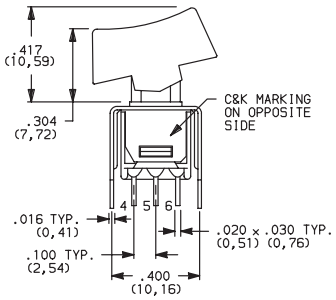
PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T101J1V3BE2	SPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'. For panel mounting information, see page F-46.

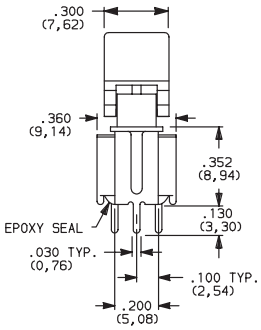
SWITCHES WITH STANDARD OPTIONS

PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T201J1V3BE2	DPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'.
For panel mounting information, see page F-48.



Actuator Shown In Pos. 1

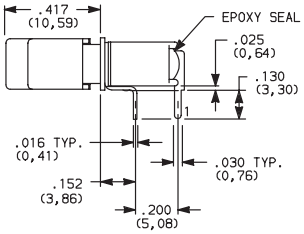


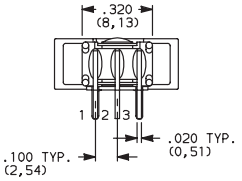


T201J1V3BE2
DPDT

PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T101J6ABE2	SPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'.
For panel mounting information, see page F-47.



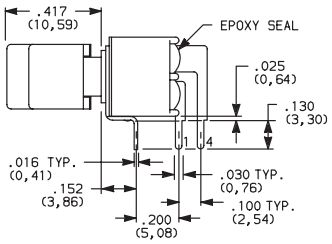


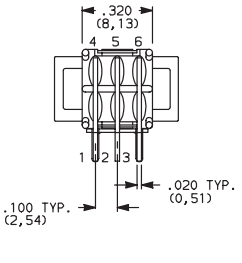


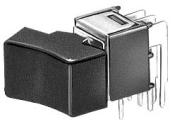
T101J6ABE2
Horizontal Actuation
SPDT

PART NUMBER	PART NUMBER	POS. 1	POS. 2	POS. 3
T201J1ABE2	DPDT	ON	NONE	ON

NOTE: For PC termination, replace 'Z' with 'C'.
For panel mounting information, see page F-47.







T201J1ABE2
Horizontal Actuation
DPDT

SWITCH FUNCTION

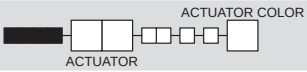
NO. POLES	MODEL NO.	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	SWITCH FUNCTION POS. 3	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	CONNECTED TERMINALS POS. 3	SCHEMATIC
SP	T101 (STD.)	ON	NONE	ON	2-3	OPEN	2-1	2 (COMM), 1, 3 — SPDT
	T103	ON	OFF	ON				
	T105	MOM.	OFF	MOM.				
	T107	ON	OFF	MOM.				
	T108	ON	NONE	MOM.				
	T102	OFF	NONE	ON	OPEN	N/A	3-1	SPST 1, 3
DP	T201 (STD.)	ON	NONE	ON	2-3,5-6	OPEN	2-1,5-4	2 (COMM) 5, 1, 3, 4, 6 — DPDT
	T203	ON	OFF	ON				
	T205	MOM.	OFF	MOM.				
	T207	ON	OFF	MOM.				
	T208	ON	NONE	MOM.				
	T211**	ON	ON	ON	2-3,5-6	2-3,5-4	2-1,5-4	

MOM. = Momentary

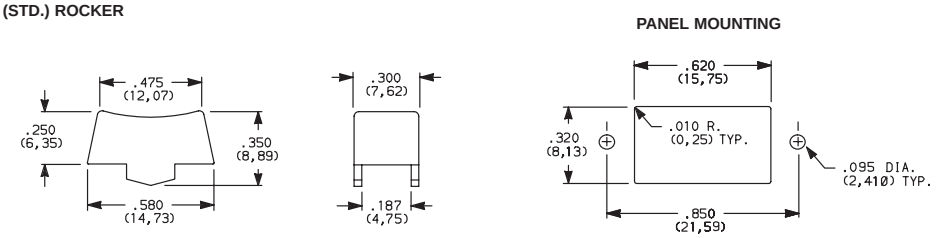
** Wiring for 3-way switch, see page L-29.

All models ® with all options when ordered with G, L, M or Q contact material.

ACTUATOR

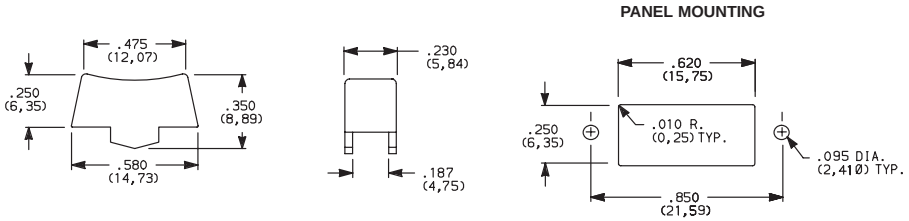


J1 (STD.) ROCKER



Standard with all models except T10X with A terminations.

J6 (STD.) ROCKER

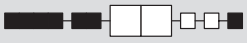


Standard with T10X model with A terminations.

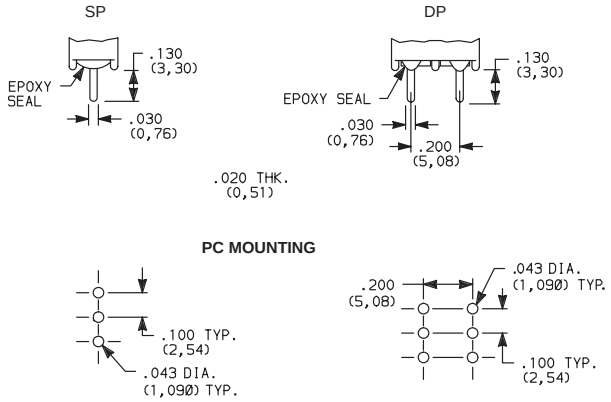
OPTION CODE	ACTUATOR COLOR
2	(STD.) BLACK
1	WHITE
3	RED

Finish: Matte. Other colors, custom actuator markings and legends available, consult Customer Service Center.

TERMINATIONS



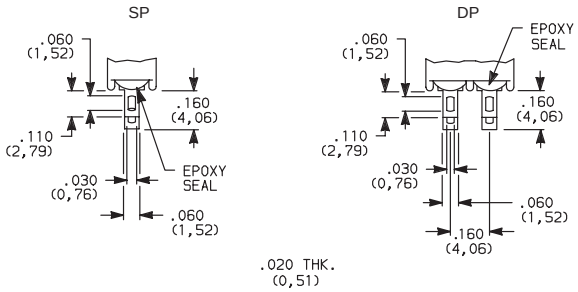
C (STD.) PC THRU-HOLE



T102 models: Omit center hole.

SP and DP

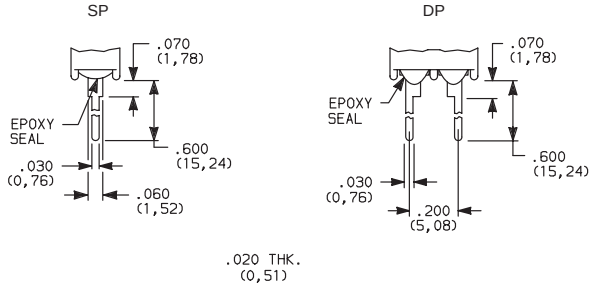
Z (STD.) SOLDER LUG



SP and DP

Not available with K, L, or M contact material.

W WIRE WRAP

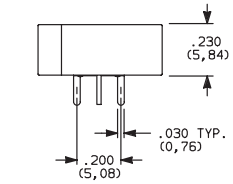


SP and DP

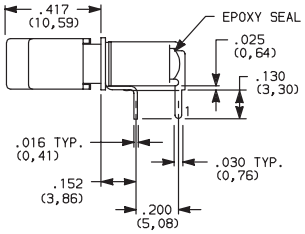
NOTE: Models with W or Z terminations supplied with panel mounting bracket standard, as shown on page F-44. Q contact material standard with Z and C terminations; B contact material standard with W terminations.

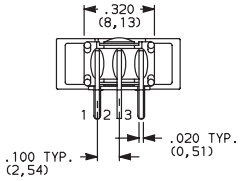
TERMINATIONS

A (STD.) RIGHT ANGLE, PC THRU-HOLE

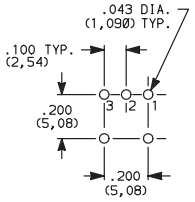


Actuator Shown In Pos. 1





PC MOUNTING

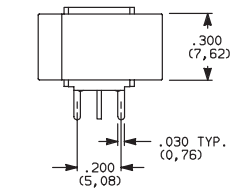




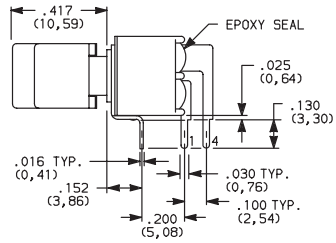
T101J6ABE2
Horizontal Actuation
SPDT

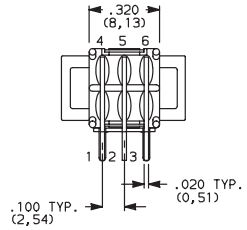
Not available with T102 model. J6 actuator standard only on T10X models with A terminations.

A (STD.) RIGHT ANGLE, PC THRU-HOLE

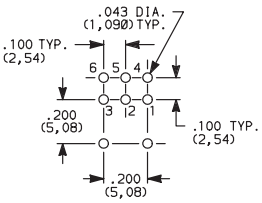


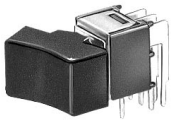
Actuator Shown In Pos. 1





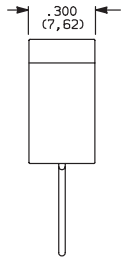
PC MOUNTING



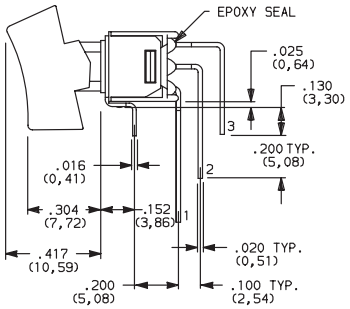


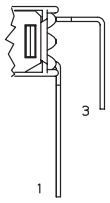
T201J1ABE2
Horizontal Actuation
DPDT

AV (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE

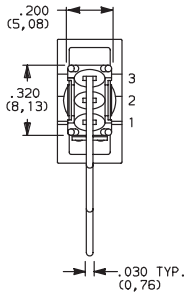


Actuator Shown In Pos. 1

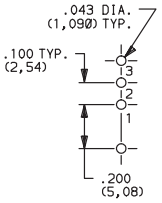




T102 models:
Omit terminal 2.



PC MOUNTING



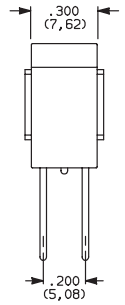
T102 models:
Omit hole 2.



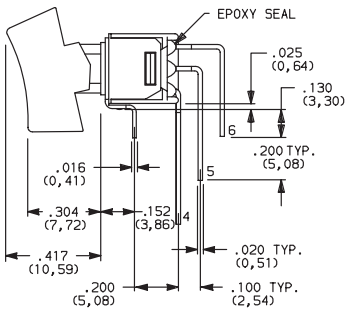
T101J1AVBE2
Vertical Actuation
SPDT

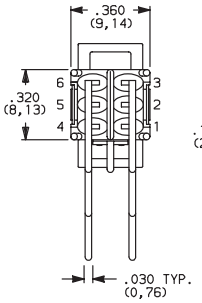
NOTE: Terminal bend radii and lead-in manufacturing option.

AV (STD.) VERTICAL RIGHT ANGLE, PC THRU-HOLE

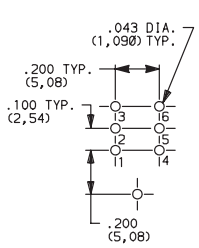


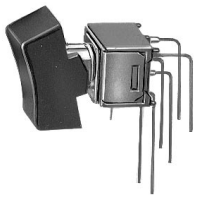
Actuator Shown In Pos. 1





PC MOUNTING





T201J1AVBE2
Vertical Actuation
DPDT

NOTE: Terminal bend radii and lead-in manufacturing option.

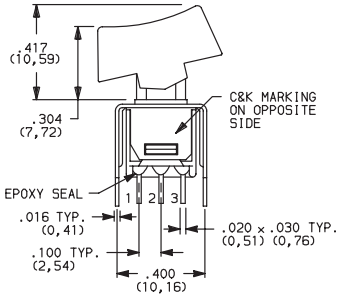
F Rocker

TERMINATIONS

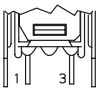
V3 VERTICAL MOUNT, V-BRACKET



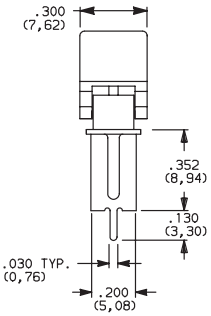
T101J1V3BE2
SPDT



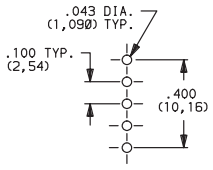
Actuator Shown In Pos. 1



T102 models:
Omit terminal 2.



PC MOUNTING

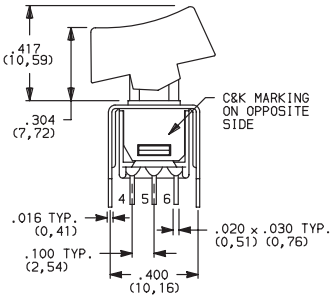


T102 models:
Omit center hole.

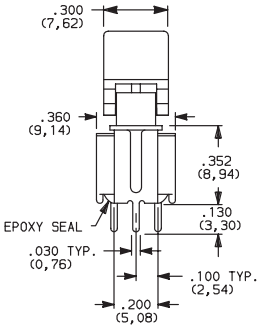
V3 VERTICAL MOUNT, V-BRACKET



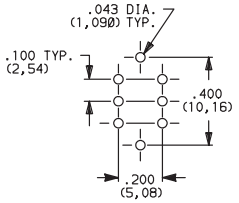
T201J1V3BE2
DPDT



Actuator Shown In Pos. 1



PC MOUNTING



CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B (STD.)	GOLD [1]	GOLD [1]	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
K		TIN-LEAD [6]		
Q (STD.)	SILVER [4,5]	SILVER [5]	POWER	TX01 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.
M		TIN-LEAD [6]		
G	GOLD OVER SILVER [2,3]	GOLD [3]	LOW LEVEL/DRY CIRCUIT OR POWER	TX01 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 2 AMPS @ 120 V AC OR 28 V DC.
L		TIN-LEAD [6]		

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS–SEE CHART, PAGE L-31.

[1] CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

[2] END CONTACTS: Coin silver, with gold plate over nickel plate.

[3] CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

[4] END CONTACTS: Coin silver, silver plated.

[5] CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

[6] TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

All models with all options when ordered with G, L, M or Q contact material.

B contact material standard with A, AV, V3 & W terminations.

Q contact material standard with C & Z terminations.

K, L & M contact materials not available with Z terminations.

SEAL

E (STD.) EPOXY SEAL

