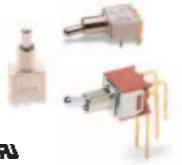
### Features/Benefits

- Compact size small footprint
- Single and double pole models
- PC and panel mount options available
- RoHS compliant models available

## Typical Applications

- Hand-held telecommunications
- Instrumentation
- Medical equipment



® THE Models Available

### **Specifications**

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. 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-42 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 m  $\Omega$  typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE:  $10^9 \Omega$  min.

DIELECTRIC STRENGTH: 1000 Vrms 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: Any models supplied with P, R, Q, B or G contact material are RoHS compliant and compatible.

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) or glass filled nylon 4/6, flame retardant, heat stabilized.

ACTUATOR: Brass, chrome plated.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

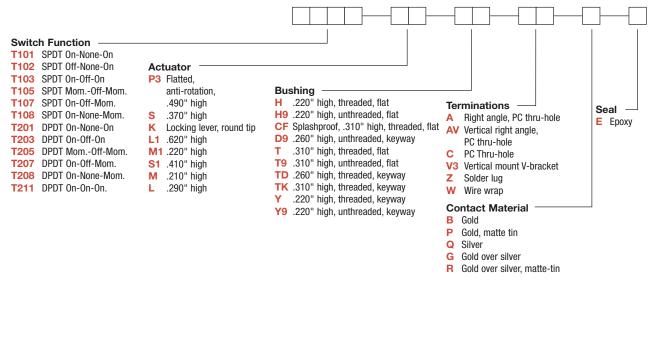
- SWITCH SUPPORT: Brass, matte-tin plated.
- END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See above for additional contact materials.
- CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page F-42 for additional contact materials.

TERMINAL SEAL: Epoxy.

HARDWARE: Nut & Locking Ring: Brass, nickel plated. Lockwasher: Steel, nickel plated. Additional hardware available separately, see Section N.

### **Build-A-Switch**

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages F-38 thru F-42. 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.



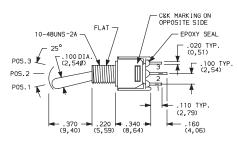


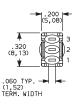
10gg

#### **SWITCH FUNCTION** -----

		SWITCH FUNCTION		CONNECTED TERMINALS					
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3		
NO.	MODEL	1		1	<u> </u>	1	1		
POLES			C&K marking on opposite side			C&K marking on opposite side			SCHEMATIC
	T101	ON	NONE	ON	2-3	N/A	2-1		
	T103	ON	OFF	ON					•2 (COMM)
SP	T105	MOM.	OFF	MOM.	2-3	OPEN	2-1		
0	T107	ON	OFF	MOM.					
	T108	ON	NONE	MOM.	2-3	NA	2-1	SPDT	
	T102	OFF	NONE	ON	OPEN	N/A	3-1	SPST	1 • • 3



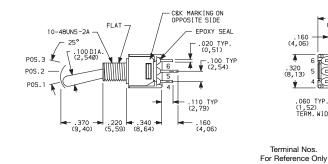


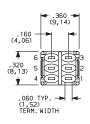


Part number shown: T101SHZQE

	SWITCH FUNCTION		ON	CONNECTED TERMINALS				
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		<b>1</b>	<b>L</b>	1	<b></b>	1	1	
NO. POLES	MODEL NO.	C&K marking on opposite side			C&K marking on opposite side			SCHEMATIC
	T201	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
DP	T203	ON	OFF	ON	2-3,5-6	OPEN	2-1,5-4	
	T205	MOM.	OFF	MOM.				$1 \bullet \begin{array}{c} 2 \\ \hline 2 \\ \hline 3 \\ \hline 4 \\ \hline 6 \\ \hline 7 \\ \hline 7$
	T208	ON	NONE	MOM.	2-3,5-6	N/A	2-1,5-4	
	T211*	ON	ON	ON.	2-3,5-6	2-3,5-4	2-1,5-4	DPDT

DPDT





Part number shown: T201SHZQE

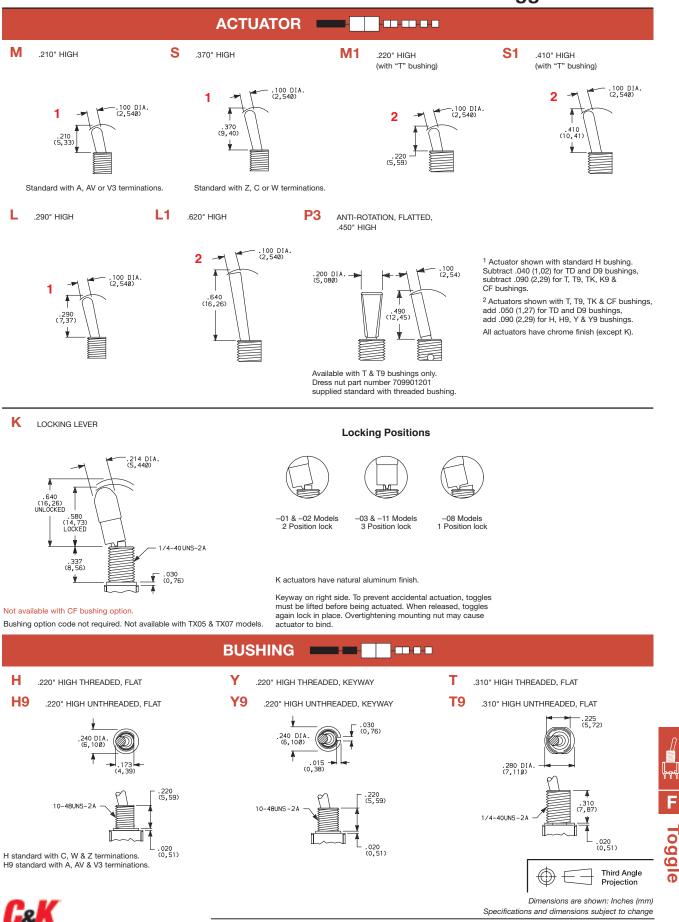
MOM. = Momentary

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



Third Angle Projection

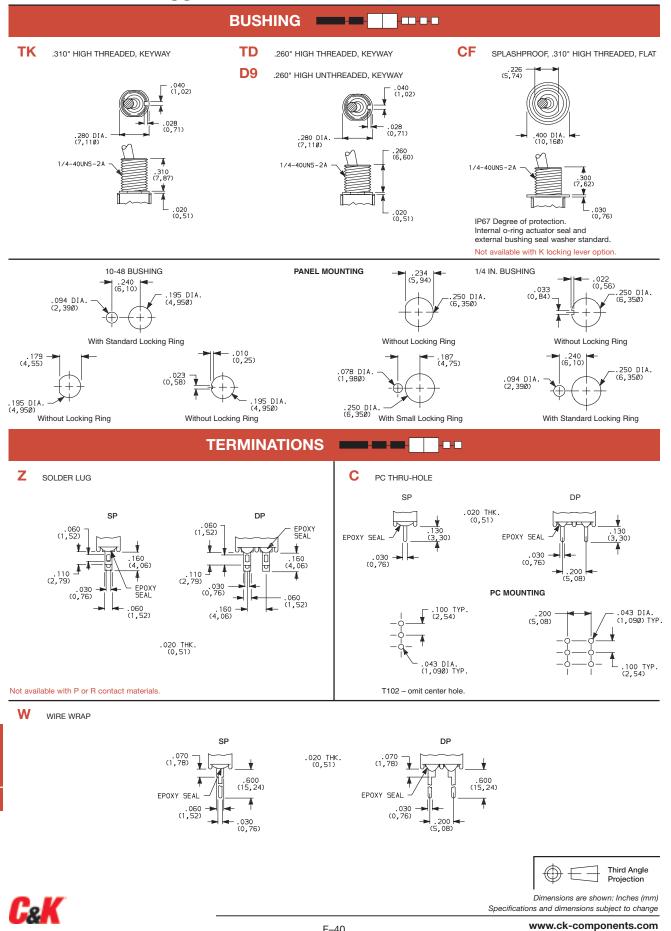
Dimensions are shown: Inches (mm) Specifications and dimensions subject to change



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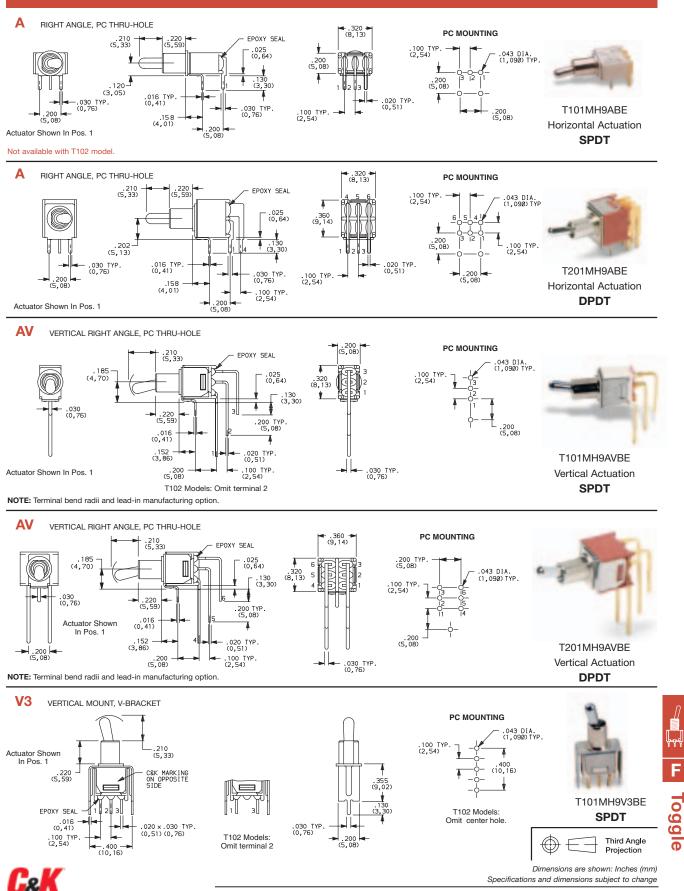
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F

Toggle

TERMINATIONS



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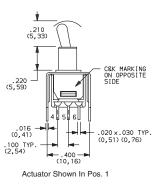
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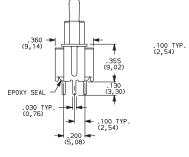
#### TERMINATIONS -0-0

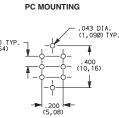
#### **V**3 VERTICAL MOUNT, V-BRACKET



T201MH9V3BE DPDT







#### **CONTACT MATERIAL**

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS			
В	GOLD <sup>1</sup>	GOLD <sup>1</sup>	LOW LEVEL/	0.4 VA MAX. @ 20 V AC OR DC MAX.		
Р	0025	MATTE-TIN <sup>6</sup>	DRY CIRCUIT			
Q	SILVER <sup>4,5</sup>	SILVER <sup>5</sup>	POWER	TX01 MODELS: 3 AMPS @ 120 V AC OR 28 V DC. ALL OTHER MODELS: 2 AMPS @ 120 V AC OR 28 V DC.		
G R	GOLD OVER SILVER <sup>2,3</sup>	GOLD <sup>3</sup> MATTE-TIN <sup>6</sup>	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.		

\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

<sup>1</sup> CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

<sup>2</sup> END CONTACTS: Coin silver, with gold plate over nickel plate.

<sup>3</sup> CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate

over nickel plate.

<sup>4</sup> END CONTACTS: Coin silver, silver plated.

<sup>5</sup> CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

<sup>6</sup> TERMINALS: Copper alloy, with matte-tin over nickel plate.

All models , with all options when ordered with R, G, or Q contact material. B contact material standard with A, AV, V3 & W terminations. Q contact material standard with C & Z terminations.

