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



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 Ω 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.

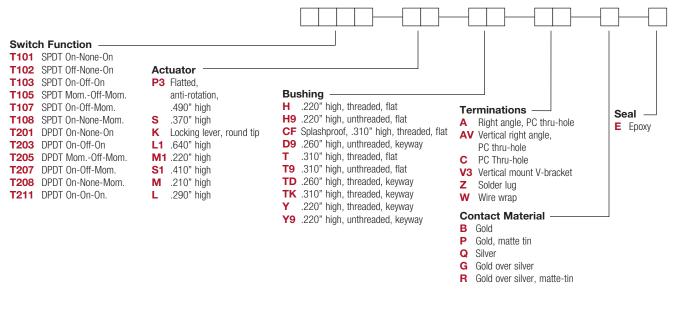
- END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See above for additional contact materials.
- CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper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

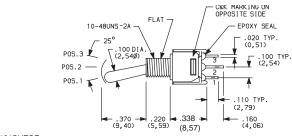


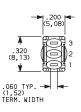


F Toggle

SWITCH FUNCTION

	SWITCH FUNCTION		ON	CON	NECTED TERMIN			
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
NO.	MODEL	1	1	1	<u> </u>	1	1	
POLES	NO.	C&K mai	rking on oppos	site side	C&K marking on opposite side			SCHEMATIC
	T101	ON	NONE	ON	2-3	N/A	2-1	
	T103	ON	OFF	ON				
SP	T105	MOM.	OFF	MOM.	2-3	OPEN	2-1	€2 (COMM)
Gr	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

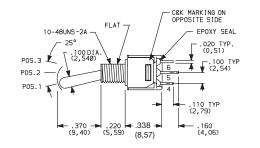
SPDT

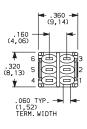
	SWITCH FUNCTION		CONNECTED TERMINALS					
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	-
		L	1	1	1	- 1	▲	
NO. POLES	MODEL NO.	C&K marking on opposite side			l C&K marking on opposite side			SCHEMATIC
	T201	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	T203	ON	OFF	ON		0.751		●2 (COMM) 5 ●
DP	T205	MOM.	OFF	MOM.	2-3,5-6	OPEN	2-1,5-4	
	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



MOM. = Momentary





Terminal Nos. For Reference Only

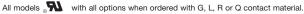
> Third Angle \bigcirc Projection

Specifications and dimensions subject to change

Dimensions are shown: Inches (mm)

Toggle T

* Wiring for 3-way switch

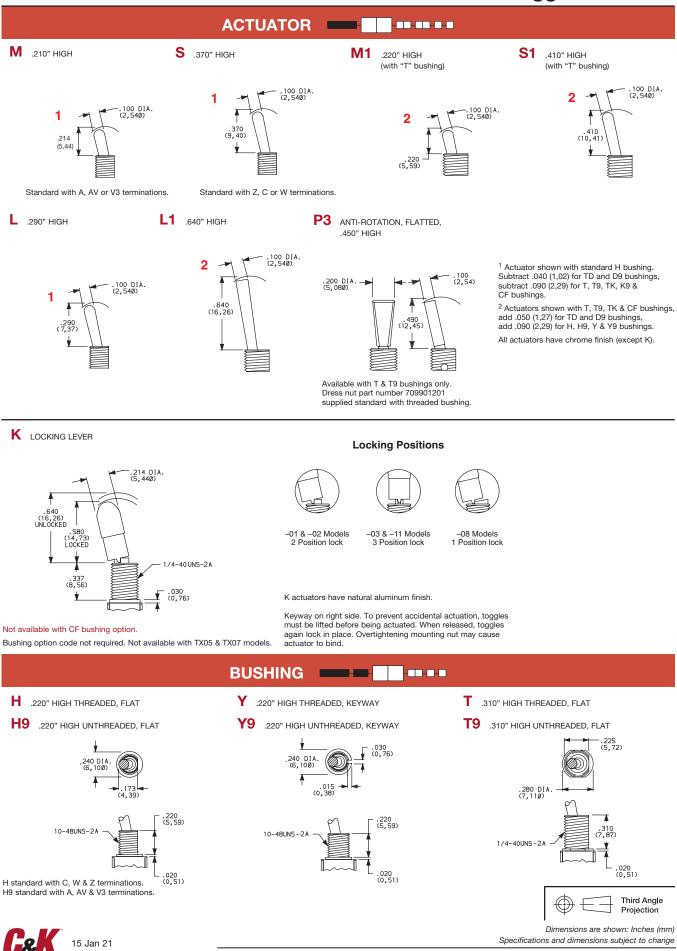


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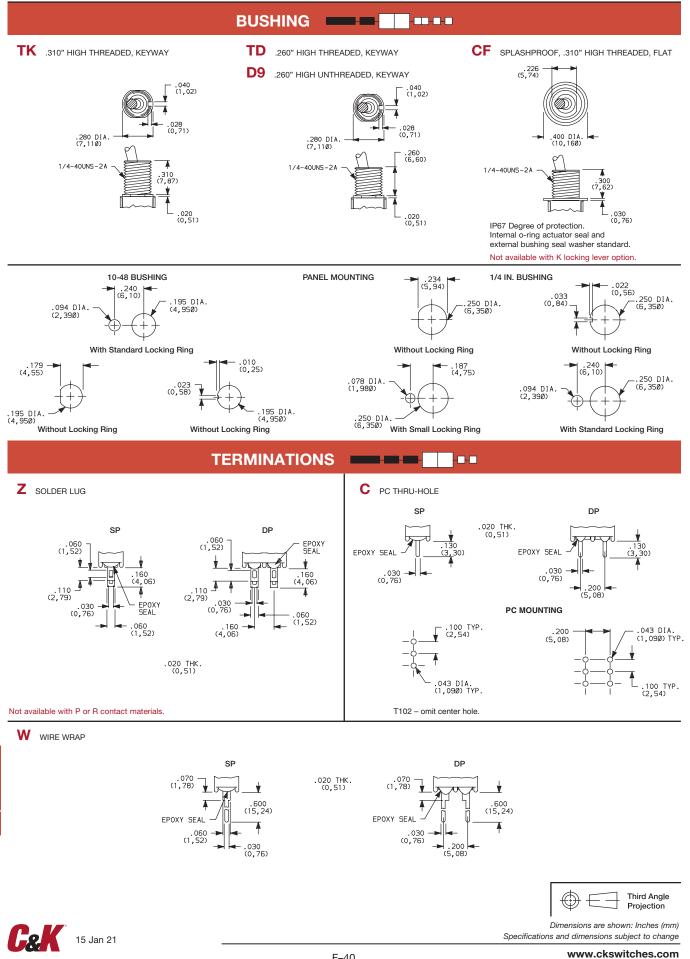
Part number shown: T201SHZQE

Downloaded from Arrow.com.

www.ckswitches.com

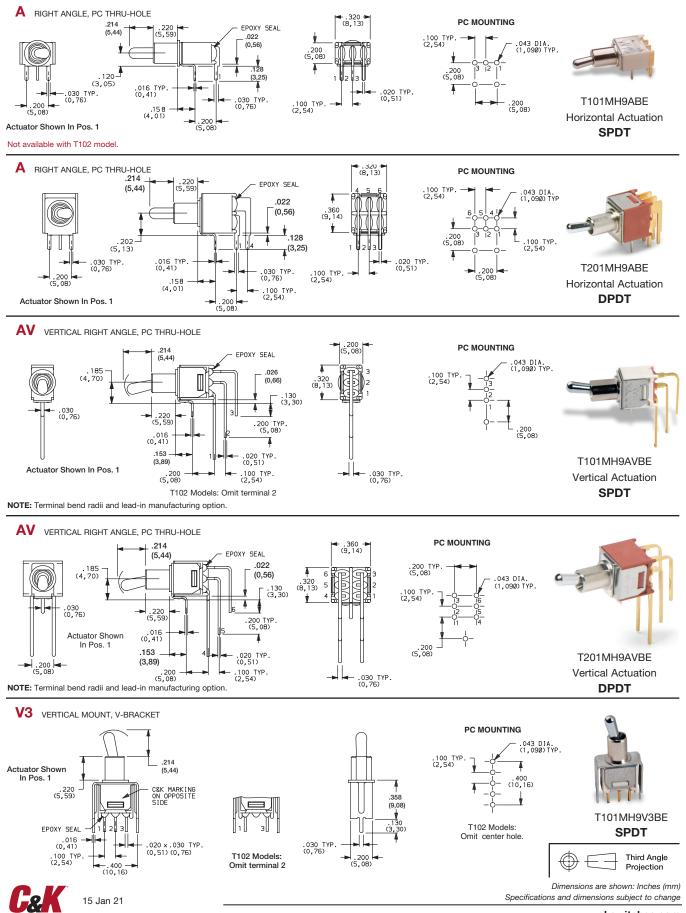


F Toggle



Toggle <u></u>

TERMINATIONS



F

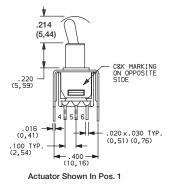
Toggle

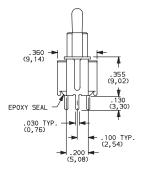
TERMINATIONS

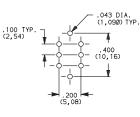
V3 VERTICAL MOUNT, V-BRACKET



DPDT







PC MOUNTING

CONTACT MATERIAL

OPTION CODE	CONTACT TERMINAL MATERIAL PLATING		RATINGS			
B P	GOLD ¹	GOLD ¹ MATTE-TIN ⁶	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.		
Q	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.		
G R	GOLD OVER SILVER ^{2,3}	GOLD ³ MATTE-TIN ⁶	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.

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 matte-tin over nickel plate.

All models ${}_{\scriptscriptstyle (\!\!\!\ \ \!\!\!)}$ 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.

