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 G-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 com

and compatible. For the latest information regarding RoHS compliance, please go t www.ittcannon.com/rohs.

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: Brass, chrome plated.

BUSHING: Brass, nickel plated.

HOUSING: Stainless steel.

SWITCH SUPPORT: Brass, matte-tin plated.

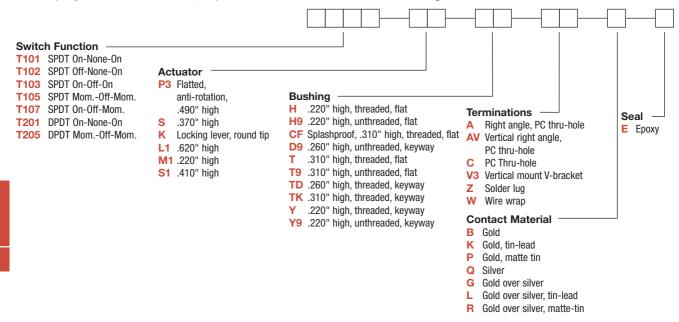
END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See above for additional contact materials.

CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page G-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 O.

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 G-37 thru G-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.

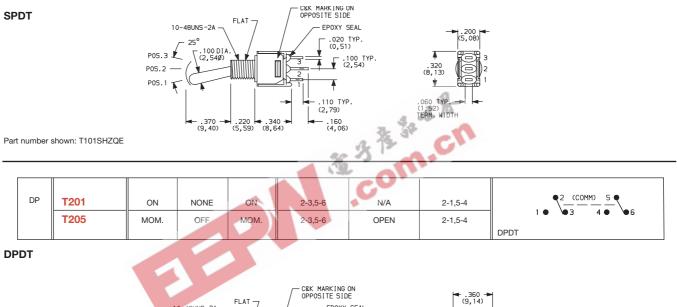


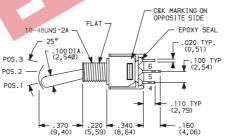
loggle

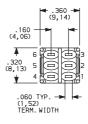
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

SWITCH FUNCTION

		SWITCH FUNCTION			CONNECTED TERMINALS			
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
NO.	MODEL	Ţ	1	1	⊥	1	1	
POLES		C&K marking on opposite side			C&K marking on opposite side			SCHEMATIC
SP	T101	ON	NONE	ON	2-3	N/A	2-1	
	T103	ON	OFF	ON	2-3	OPEN	2-1	€2 (COMM) 1 ● 93
	T105	MOM.	OFF	MOM.				
	T107	ON	OFF	MOM.				SPDT
	T102	OFF	NONE	ON	OPEN	N/A	3-1	SPST 1 • 3







Terminal Nos. For Reference Only

Part number shown: T201SHZQE

MOM. = Momentary

1

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





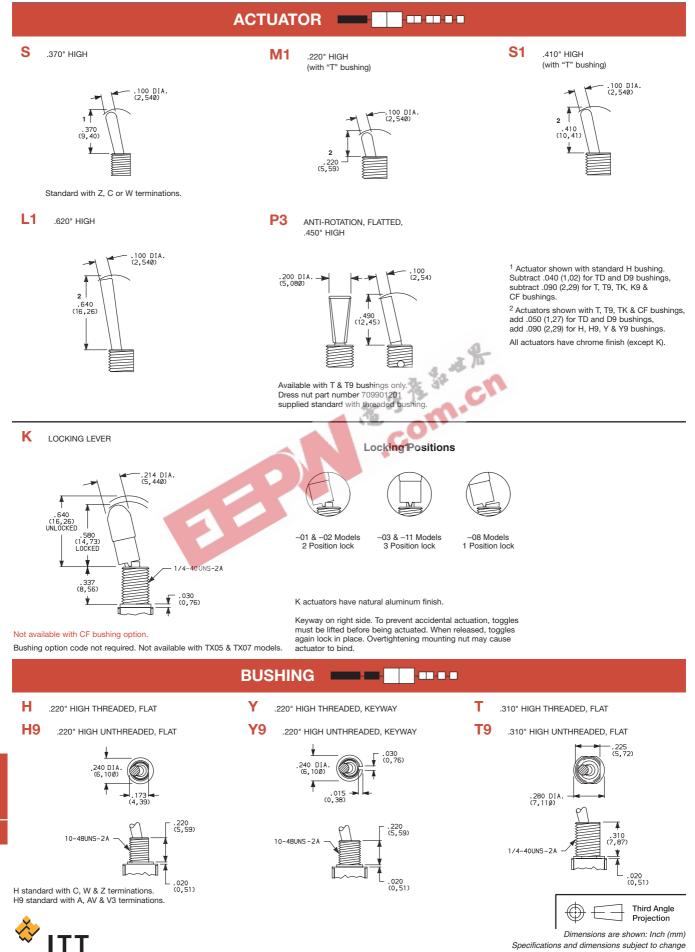


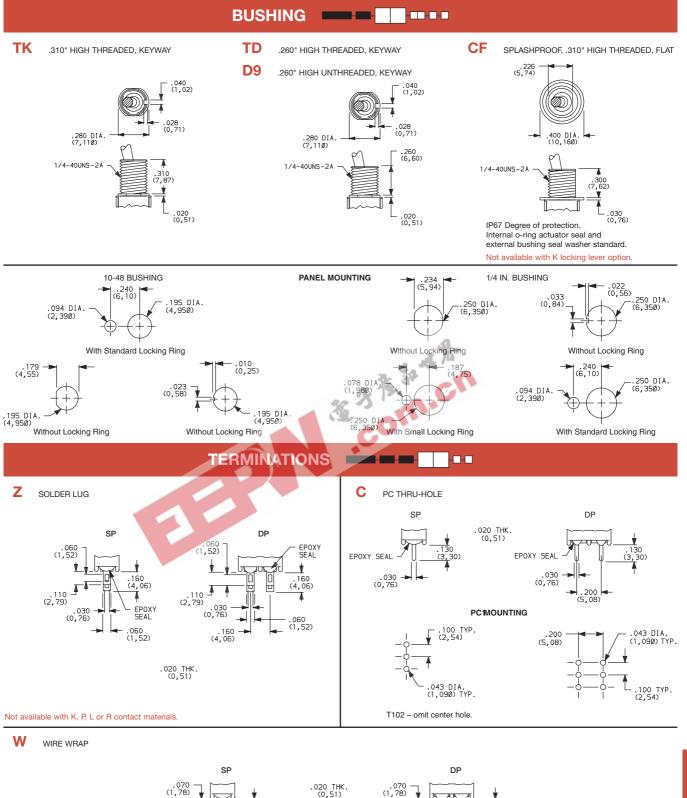
Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

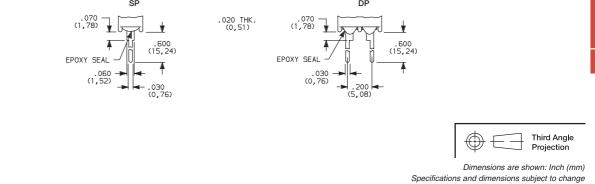


G

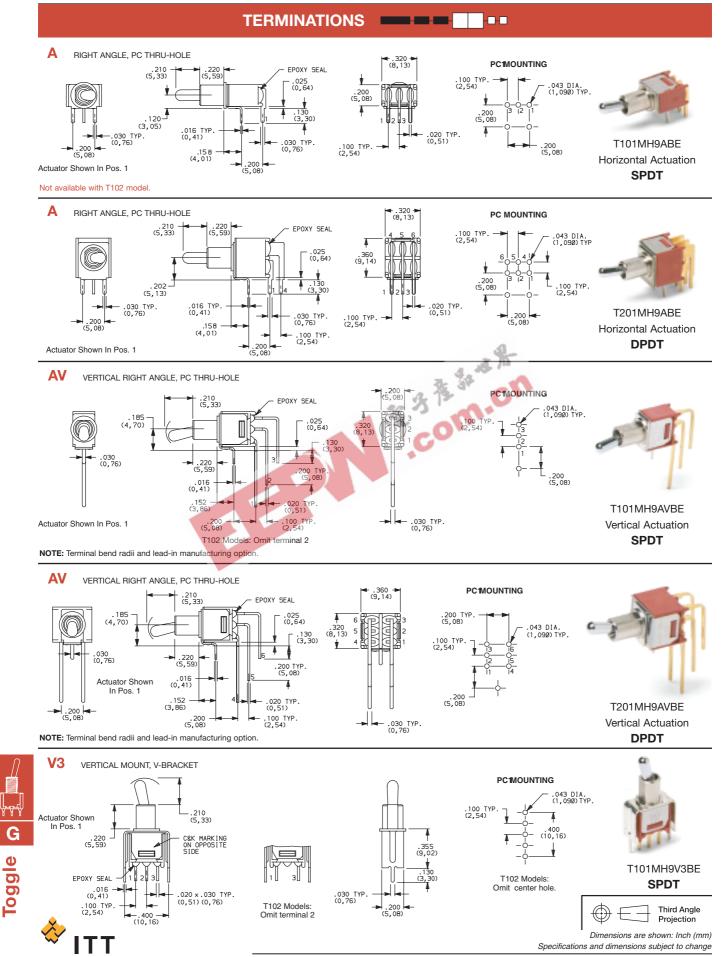
Toggle







ITT



TERMINATIONS

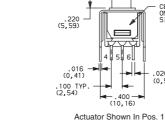
C&K MARKING ON OPPOSITE SIDE

.020×.030 TYP. (0,51)(0,76)

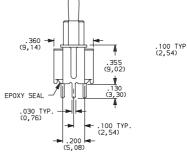
V3 VERTICAL MOUNT, V-BRACKET



DPDT



.210 (5,33)



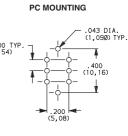
NOTE: Any models supplied with P, R, Q, B or G contact material are RoHS compliant. For

the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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

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

Q contact material standard with C & Z terminations.



CONTACT MATERIAL

OPTION1 CODE		RoHS1 COMPATIBLE	CONTACT1 MATERIAL	TERMINAL PLATING	RATINGS
В	YES	YES		GOLD ¹	LOW LEVEL/
K	NO	YES	GOLD ¹	TIN-LEAD 6	DRY CIRCUIT
Р	YES	YES		MATTE-TIN 7	7. 3 ¹
Q	YES	YES	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	YES	YES		GOLD ³	TX01 MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX. OR
L	NO	YES	GOLD OVER SILVER 2,3	TIN-LEAD 6	LOW LEVEL/DRY 3 AMPS @ 120 V AC OR 28 V DC. CIRCUIT OR POWER ALL OTHER MODELS: 0.4 VA MAX @ 20 V AC OR DC MAX.
R	YES	YES	SILVER 2,5	MATTE-TIN 7	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.

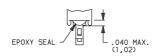
⁵ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.

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

⁷ TERMINALS: Copper alloy, with matte-tin over nickel plate.

SEAL SEAL

E EPOXY SEAL







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

