Features/Benefits

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



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-38 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: 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, tin plated.

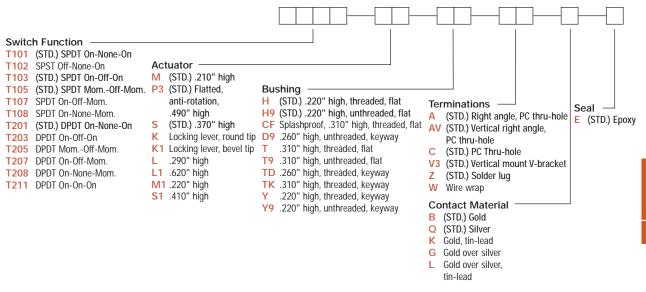
- END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See above for additional contact materials.
- CENTER CONTACTS & TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page F-38 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-34 thru F-38. 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.





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Dimensions are shown: IN (mm) Dimensions subject to change

SWITCH FUNCTION

SWITCH FUNCTION CONNECTED TERMINALS POS. 2 POS. 1 POS. 3 POS. 1 POS. 3 POS. 2 NO. MODEL C&K marking on opposite side C&K marking on opposite side POLES NO SCHEMATIC T101 (STD.) NONE ON ON 2-3 N/A 2-1 T103 (STD.) ON OFF ON •2 (COMM) T105 (STD.) MOM. OFF MOM. OPEN 2-3 2-1 1. **N** 3 SP T107 ON OFF MOM T108 ON NONE MOM. 2-3 N/A 2-1 SPDT T102 OPEN SPST OFF NONE ON N/A 3-1 1 •3 C&K MARKING ON OPPOSITE SIDE SPDT FLAT 10-48UNS-2A - EPOXY SEAL .020 TYP. (0,51) 25 .100 DIA (2,54Ø) P05.3 Ł Ł .100 TYP. (2,54) P05.2 -P05.1 4 T .110 TYP. (2,79) .060 TYP. → (1,52) TERM. WIDTH .370 (9,40) .220 - .340 (5,59) (8,64) .160 Terminal Nos For Reference Only T102 Models: Omit terminal 2 Part number shown: T101SHZQE T201 (STD.) ON NONE ON 2-3,5-6 N/A 2-1,5-4 T203 ON OFF ON T205 (COMM) мом OFF MOM. 2-3.5-6 OPEN 2-1.5-4 5 DP T207 OFF MOM. ON T208 ON NONE MOM. 2-3,5-6 N/A 2-1,5-4 T211* DPDT ON ON ON 2-3,5-6 2-3,5-4 2-1,5-4 C&K MARKING ON OPPOSITE SIDE DPDT .360 (9,14) FLAT 10-48UNS-2A EPOXY SEAL .160 (4,06) 25' .020 TYP. (0,51) .100 DIA (2,54Ø) Ā (2,54) P05.3 Ā Π .320 (8,13) P05.2 P05.1 Ŵ .060 TYP. → (1,52) TERM.WIDTH .110 TYP (2,79) .370 (9,40) .220 🖛 .340 🍝 (5,59) (8,64) .160 (4,06) Terminal Nos Part number shown: T201SHZQE For Reference Only

MOM. = Momentary

All models ${}_{\otimes}$ with all options when ordered with G, Lor Q contact material.

F Bable



* Wiring for 3-way switch, see Section N.

Dimensions are shown: IN (mm) Dimensions subject to change

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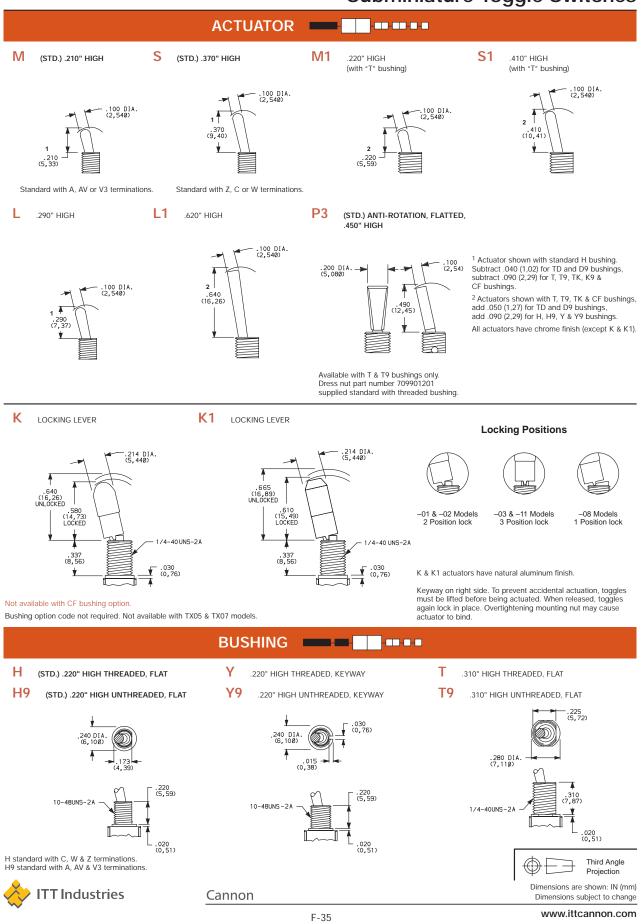
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F-34

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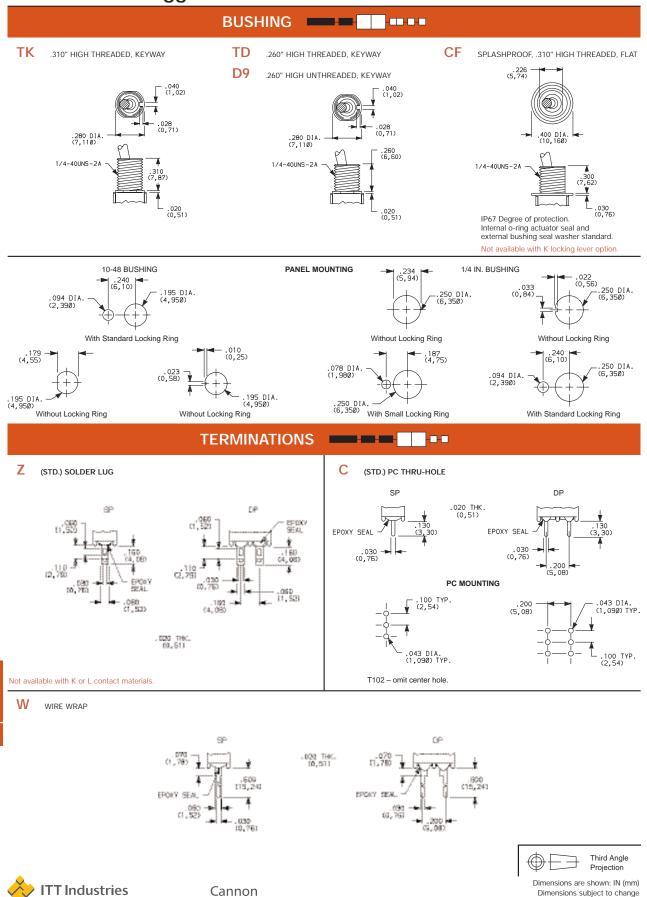
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Toggle



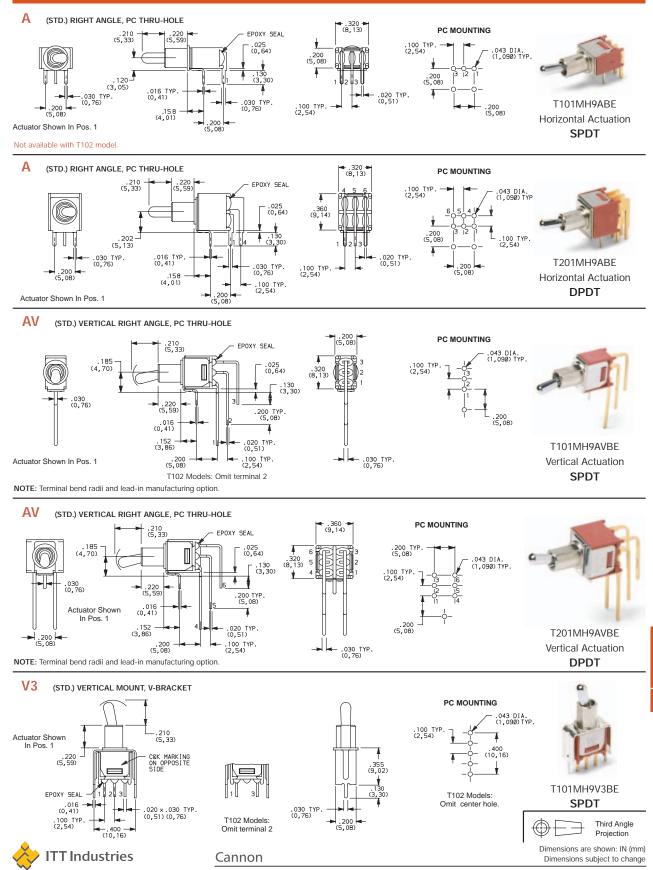
דיז **F**

Foggle



Dimensions subject to change

TERMINATIONS



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F

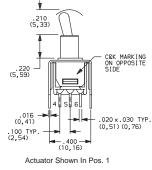
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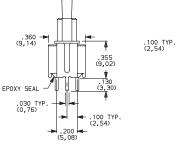
TERMINATIONS

V3 (STD.) VERTICAL MOUNT, V-BRACKET



T201MH9V3BE DPDT

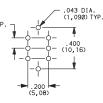




All models All with all options when ordered with G, L or Q contact material.

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

Q contact material standard with C & Z terminations.



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		
<mark>Q</mark> (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.
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 SECTION N.

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

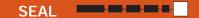
² END CONTACTS: Coin silver, with gold plate over nickel plate.

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.



E (STD.) EPOXY SEAL

F elgo





Dimensions are shown: IN (mm) Dimensions subject to change

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