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 tvp. 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

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.

O Silver Gold over silver Gold over silver, matte-tin

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

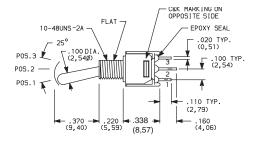
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages F-38 thru F-42. For additional options not shown in catalog, consult Customer Service Center. All models have epoxy terminal seal and are compatible with all "bottom-wash" PCB cleaning methods.

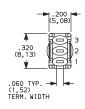
Switch Function T101 SPDT On-None-On T102 SPDT Off-None-On Actuator T103 SPDT On-Off-On P3 Flatted. **Bushing** T105 SPDT Mom.-Off-Mom. anti-rotation, .220" high, threaded, flat T107 SPDT On-Off-Mom. .490" high Terminations Seal .220" high, unthreaded, flat T108 SPDT On-None-Mom. .370" high Right angle, PC thru-hole E Epoxy T201 DPDT On-None-On CF Splashproof, .310" high, threaded, flat K Locking lever, round tip AV Vertical right angle, T203 DPDT On-Off-On L1 .640" high D9 .260" high, unthreaded, keyway PC thru-hole .310" high, threaded, flat T205 DPDT Mom.-Off-Mom. M1 .220" high PC Thru-hole T9 .310" high, unthreaded, flat **S1** .410" high T207 DPDT On-Off-Mom. V3 Vertical mount V-bracket TD .260" high, threaded, keyway T208 DPDT On-None-Mom. .210" high Solder lug T211 DPDT On-On-On. .290" high TK .310" high, threaded, keyway W Wire wrap Y .220" high, threaded, keyway **Contact Material** Y9 .220" high, unthreaded, keyway **B** Gold Gold, matte tin



	SWITCH FUNCTION		CONNECTED TERMINALS					
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		1	<u> </u>	4	T	<u> </u>	4	
NO. POLES	MODEL NO.	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 (COMP)
	T105	мом.	OFF	мом.	2-3	OPEN	2-1	Q2 (COMM) 1 ● 3
	T107	ON	OFF	мом.]
	T108	ON	NONE	мом.	2-3	NA	2-1	SPDT
	T102	OFF	NONE	ON	OPEN	N/A	3-1	SPST 1 ● 3

SPDT

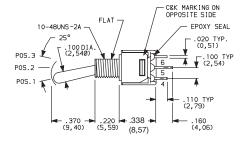


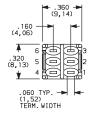


Part number shown: T101SHZQE

	SWITCH FUNCTION		CONNECTED TERMINALS					
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		7	1	4	7	±	4	
NO. POLES	MODEL NO.	C&K marking on opposite side			C&K marking on opposite side			SCHEMATIC
DP	T201	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4	
	T203	ON	OFF	ON	2-3,5-6	OPEN	2-1,5-4	● 2 (COMM) 5 ●
	T205	мом.	OFF	мом.				1 • 3 4 • 6
	T208	ON	NONE	мом.	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





Terminal Nos. For Reference Only

Part number shown: T201SHZQE

MOM. = Momentary

* Wiring for 3-way switch refer to page N-10

All models $_{\odot} \mbox{\@ All}$ with all options when ordered with G, L, R or Q contact material.

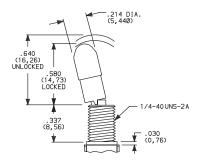






ACTUATOR ----S .210" HIGH **S1** .370" HIGH .220" HIGH .410" HIGH (with "T" bushing) - .100 DIA. (2,540) .100 DIA. .100 DIA. (2,540) Standard with A, AV or V3 terminations. Standard with Z, C or W terminations. .640" HIGH ANTI-ROTATION, FLATTED, .450" HIGH Actuator shown with standard H bushing. Subtract .040 (1,02) for TD and D9 bushings, subtract .090 (2,29) for T, T9, TK, K9 & .100 (2,54) CF bushings. ² Actuators shown with T, T9, TK & CF bushings, add .050 (1,27) for TD and D9 bushings, add .090 (2,29) for H, H9, Y & Y9 bushings. .490 (12,45) All actuators have chrome finish (except K). Available with T & T9 bushings only. Dress nut part number 709901201 supplied standard with threaded bushing.

K LOCKING LEVER



Not available with CF bushing option.

Bushing option code not required. Not available with TX05 & TX07 models.

Locking Positions







-01 & -02 Mode 2 Position lock

-03 & -11 Mode

–08 Models 1 Position lock

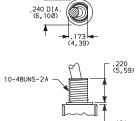
K actuators have natural aluminum finish

Keyway on right side. To prevent accidental actuation, toggles must be lifted before being actuated. When released, toggles again lock in place. Overtightening mounting nut may cause actuator to bind.

BUSHING ----

H .220" HIGH THREADED, FLAT

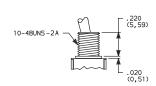
.220" HIGH UNTHREADED, FLAT



H standard with C, W & Z terminations.
H9 standard with A, AV & V3 terminations.

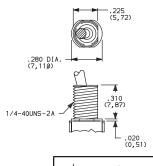
Y .220" HIGH THREADED, KEYWAY





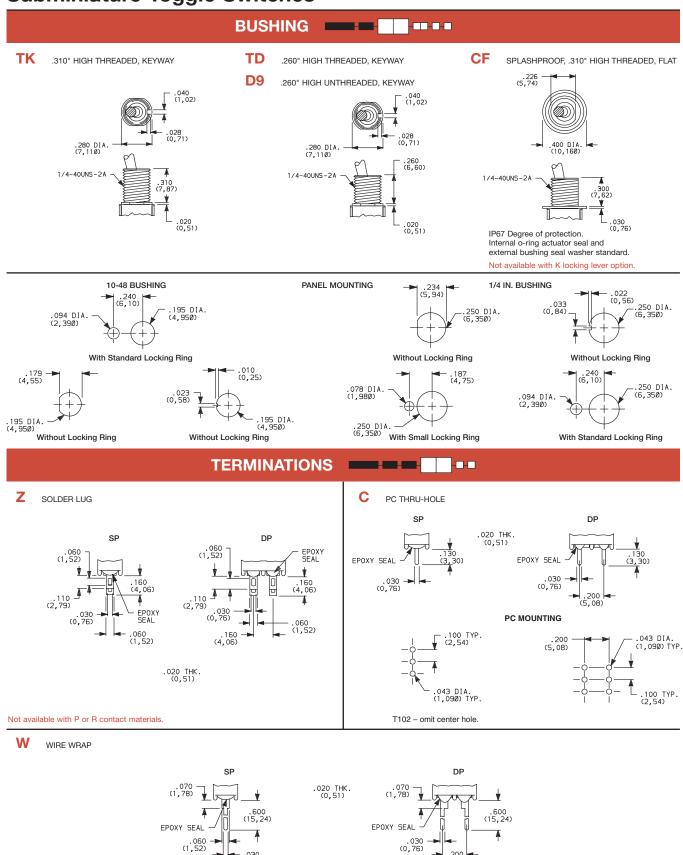
T .310" HIGH THREADED, FLAT

T9 .310" HIGH UNTHREADED, FLAT





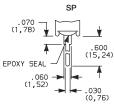


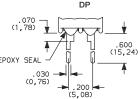






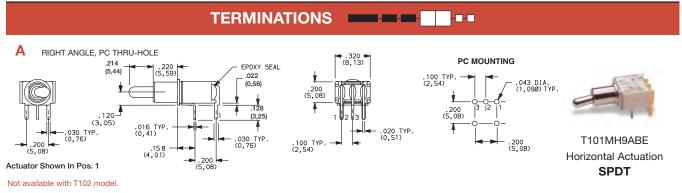


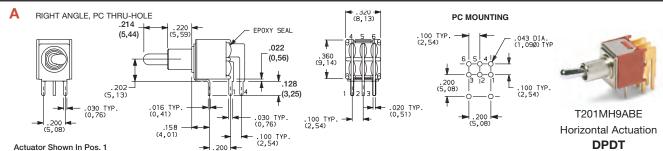


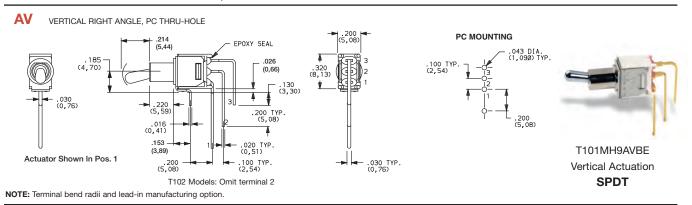


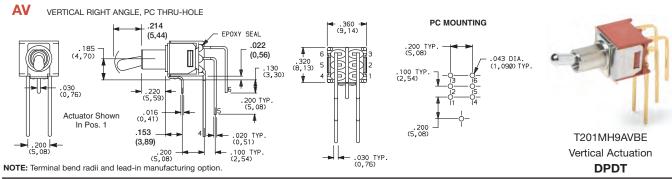


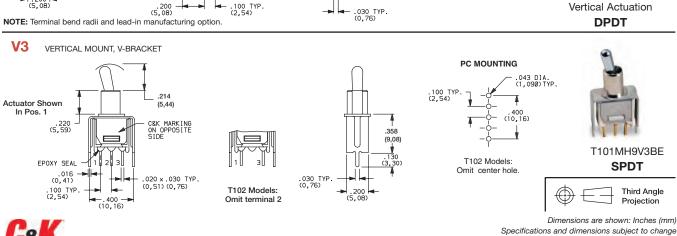












SPDT

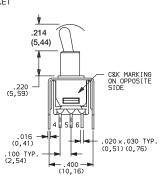
Third Angle Projection

TERMINATIONS ----

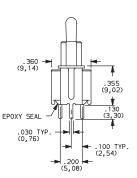
V3 VERTICAL MOUNT, V-BRACKET

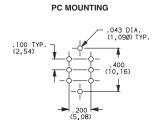


T201MH9V3BE **DPDT**



Actuator Shown In Pos. 1





CONTACT MATERIAL

OPTION CODE	CONTACT MATERIAL	TERMINAL PLATING	RATINGS			
В	GOLD ¹	GOLD ¹	LOW LEVEL/	0.4 VA MAX. @ 20 V AC OR DC MAX.		
Р	GOLD	MATTE-TIN ⁶	DRY CIRCUIT			
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.

- $^{\rm 1}$ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- ² END CONTACTS: Coin silver, with gold plate over nickel plate.
- $^{\rm 3}$ CENTER CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.
- ⁴ END CONTACTS: Coin silver, silver plated.
- $^{\rm 5}$ CENTER CONTACT & ALL TERMINALS: Copper alloy, silver plated.
- ⁶ TERMINALS: Copper alloy, with matte-tin over nickel plate.

All models $_{\odot}$ 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.

SEAL _____

E EPOXY SEAL



AVAILABLE HARDWARE



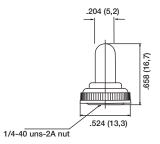




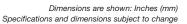
759D02000 SEALING BOOT



* Note: For use with S1 actuator style when combined with T, TK, and CF bushings.









Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

C&K Components:

T101MH9V3BE T103SHV3QE T103SH9V3BE T101MHZQE T101STKCQE T201KZBE T211M1TAVBE

T101MCFZGE T103SHZQE T203SHZQE T103SHCQE T103SCFCQE T101KAKE T101KZQE T201MY9V3BE

T201SHCQE T101MH9ABE T101MH9AVBE T101SHCQE T201MH9ABE T101SHZQE T201SHZQE

T203S1TDZGE T102LHZQE T105SHZQE T107P3T9ALE T207SHZQE T207SHZBE T101MHZBE T201LHCGE

T211STKCQE T101KH9AK T101STDCBE T101LHZQE T101MH9AVQE T101S1H9V3BE T101SK9V3BE

T201MH9AQE T105SH9AVME T101L1H9CQE T101MHAVBE T103LTDZQE T103MY9CQE T105LHZQE

T107MHZBE T208SH9AVBE T101L1Y9V3BE T101M1H9ABE T101M1HCBE T101M1TAVBE T101MHV3PE

T101MY9CBE T101S1HABE T101S1T9ZBE T101S1TAGE T101S1TDZQE T101SCFABE T101SCFZBE

T101SH9AGE T101SH9AVGE T101SH9AVQE T101SHCGE T101SHV3BE T101SYCQE T102M1HZBE

T102MH9AVBE T102MHAVBE T102S1TZQE T102SHWBE T102SHWQE T103KAKE T103KCQE T103KZBE

T103LTZQE T103M1H9AKE T103M1TAGE T103MHABE T103MHCRE T103MTAGE T103P3TAGE T103P3TCBE

T103S1HAQE T103S1T9CQE T103S1T9V3QE T103S1TCQE T103S1YZBE T103SCFALE T103SH9ABE

T102P3T9V3PE T201S1TDZGE T101MYZBE T101KABE T101KAVBE