Slide	1	H	TELE	100 MM		*	*
Series	ES	TS	1000	GS	L	LP	S
Switch Type	Tiny	Tiny	Miniature	Ultra- miniature	Miniature	Miniature	Power
Poles	1 & 2	1	1 & 2	1	1 & 2	1 & 2	1 & 2
Momentary			•		•		•
Process Sealed	•			•			
Splashproof	•				•		
Screwdriver Slot					•		•
Housing Marking						•	•
Tape & Reel	•			•			
Max. Current	0.4 VA	3 A	6 A	0.4 VA	4 A	11 A	15 A
Terminations					•		
Wire Wrap		•	•		•		
Quick Connect			•				•
Wire Lead					•	•	•
Solder Lug			•		•	•	•
PC	•	•	•	•	•		•
PCB Mount Options							
Thru-hole	•	•	•	•	•	•	•
Vertical	•	•	•	•	•	•	•
Right Angle	•	•	•	•			•
Surface Mount	•			•			
Panel Mount Options							
Snap-in						•	•
Mounting Ears			•		•		•
Right Angle	•	•	•	•			•
Page No.	J-4	J-8	J-11	J-17	J-19	J-25	J-28



Features/Benefits

- Reliable contact design ensures long electrical life
- Ratings up to 3 AMPS
- Epoxy terminal-seal compatible with bottom wash cleaning
- RoHS compliant

Typical Applications

- Test & measurement equipment
- Computers & peripherals
- Telecommunications & networking equipment



Specifications

CONTACT RATING: B contact material: 0.4 VA max. @ 20 V AC or DC max. Q contact material (TS01 Model): 3 AMPS @ 120 V AC or 28 V DC; (TS02, TS03 Models): 1 AMP @ 120 V AC or 28 V DC. See page I-10 for additional ratings.

ELECTRICAL LIFE:

TS01 MODELS: 60,000 make-and-break cycles at full load. TS02, TS03 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: 1,000 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).

Materials

CASE: Glass filled nylon 6/6, flame retardant, heat stabilized, or diallyl phthalate (DAP) (UL 94V-0).

ACTUATOR: Nylon, black standard.

HOUSING: Stainless steel or stainless steel, nickel plated.

END CONTACTS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Coin silver, silver plated. See page I-10 for additional contact materials.

CENTER CONTACT & ALL TERMINALS: B contact material: Copper alloy, with gold plate over nickel plate. Q contact material: Copper alloy, silver plated. See page J-10 for additional contact materials.

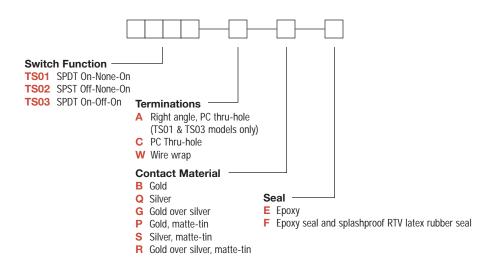
TERMINAL SEAL: Epoxy. Refer to Soldering and Cleaning in Technical Data chapter.

NOTE: Any models supplied with Q, B, G, P, S or R 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.

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 J–9 and J–10. 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.





TS Series

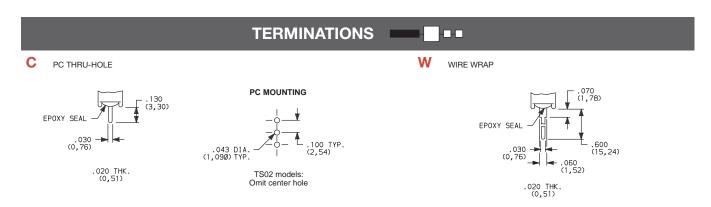
Tiny Slide Switches

SWITCH FUNCTION ---

l l	SWITCH FUNCTION			CONNECTED TERMINALS				
	POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3		
NO. POLES MODEL NO.	C&K marking on opposite side			C&K marking on opposite side			SCHEMATIC	
TS01	ON	NONE	ON	1-2	OPEN	2-3	9 2 (COMM)	
SP TS03	ON	OFF	ON				1 ● ●3 SPDT	
TS02	OFF	NONE	ON	OPEN	N/A	3-1	SPST 1 ●3	
SPDT	.120 - (3,05) TOTAL TRAVEL .100 - (2,54)		.400	.122 - (8 (3,10) (8	13	(Y SEAL .030 120 TYP. (0,76 1,51) 320 3,13) 100 TYP.	TS02 models:	

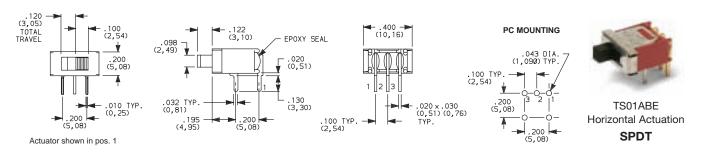
All models $_{\otimes}$ **N** $\textcircled{1}^{\otimes}$ with all options when ordered with G, L, M, Q, R or S contact material.

TS02 model not available with A terminations.



SPDT and SPST

A RIGHT ANGLE, PC THRU-HOLE

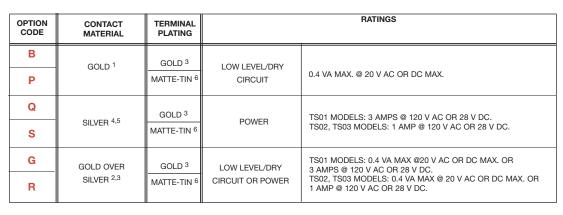


SPDT and SPST

Not available with TS02 model.







^{*} 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.
- 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 " with all options when ordered with G, L, M,S or R contact material.

B contact material standard with A and W terminations.

Q contact material standard with C terminations.

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

K, L and M options represent Non RoHS tin lead product and are not recommended for new designs. For additional information please contact Customer Service.

SEAL ----

E EPOXY SEAL

EPOXY SEAL AND SPLASHPROOF RTV LATEX RUBBER SEAL



NOTE: RTV latex rubber seal peels off easily after installation. Epoxy terminal seal standard. Not available with A termination.



