

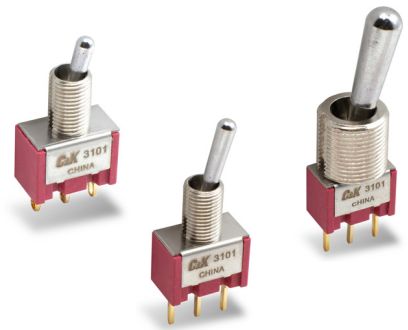
3000 Series Miniature Toggle Switches

Features/Benefits

- ***Multi-pole and multi-position***
- ***Wide variety of actuator and termination options***
- ***Epoxy terminal-seal compatible with bottom wash cleaning***
- ***RoHS compliant***

Typical Applications

- **Telecommunications**
- **Instrumentation**
- **Medical equipment**
- **LED lights**
- **Detection**



Specifications

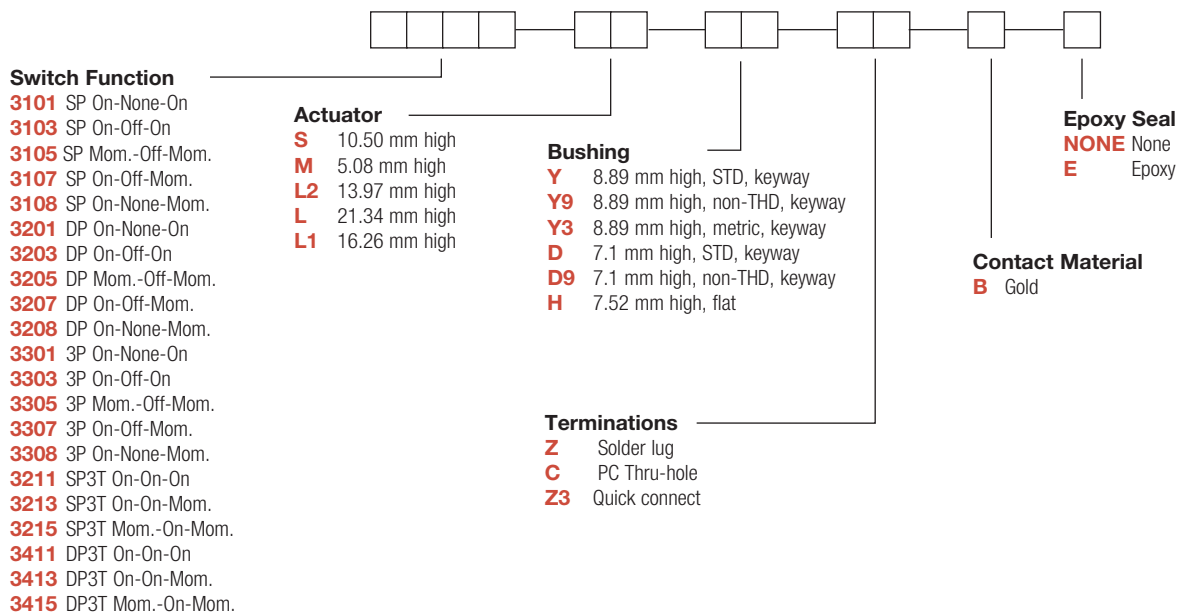
ELECTRICAL RATING: 0.4 VA max. 20 V AC or DC max.
CONTACT RESISTANCE: 30 mΩ max.
INSULATION RESISTANCE: 1000 MΩ
DIELECTRIC STRENGTH: No discharge, flashover or breakdown at
1500 VAC 1 min!
ELECTRICAL LIFE: 10,000 cycles
OPERATING TEMPERATURE: -30°C to 120°C

Material

BODY: Nylon (UL94V-0)
TERMINALS: Copper alloy
SHELL: Stainless steel
CONTACT: Copper alloy
BUSHING: Copper alloy
ACTUATOR: Copper alloy

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-60 thru F-63. For additional options not shown in catalog, consult our Customer Service Center.



F

Toggle



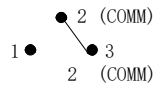
30 Apr 20

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

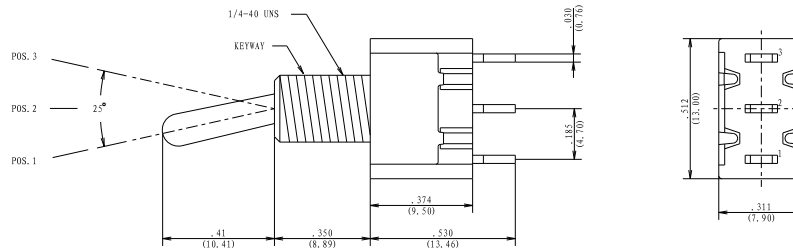
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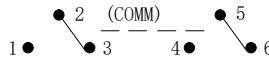
3000 Series Miniature Toggle Switches

SWITCH FUNCTION

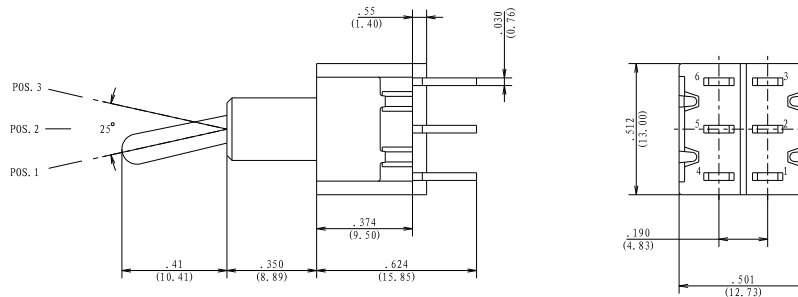
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
		KEYWAY 	KEYWAY 	KEYWAY 	KEYWAY 	KEYWAY 	KEYWAY 	
SP	3101	ON	NONE	ON	2-3	N/A	2-1	
	3103	ON	OFF	ON		OPEN		
	3105	MOM.	OFF	MOM.				
	3107	ON	OFF	MOM.				
	3108	ON	NONE	MOM.		N/A		

SPDT



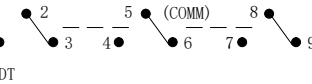
DP	3201	ON	NONE	ON	2-3, 5-6	N/A	2-1, 5-4			
	3203	ON	OFF	ON		OPEN				
	3205	MOM.	OFF	MOM.						
	3207	ON	OFF	MOM.						
	3208	ON	NONE	MOM.		N/A				

DPDT

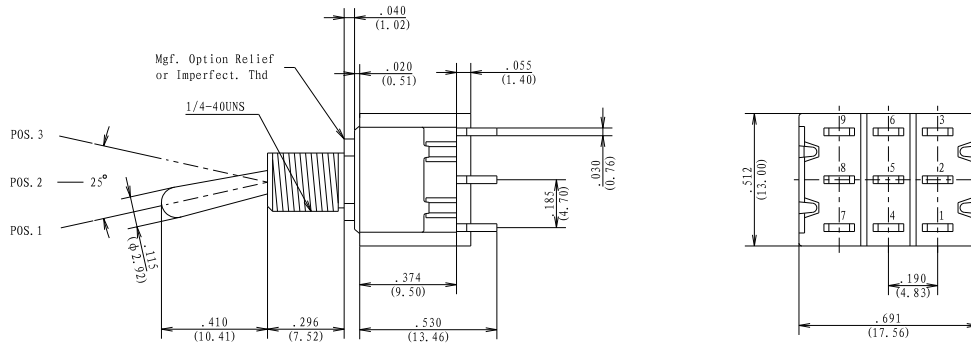


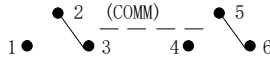
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SWITCH FUNCTION

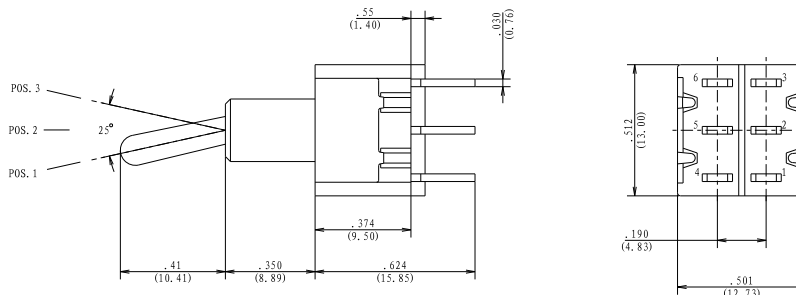
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		POS. 1	POS. 2	POS. 3	POS. 1	POS. 2	POS. 3	
								
3P	3301	ON	NONE	ON	2-3, 5-6, 8-9	N/A	2-1, 5-4, 8-7	
	3303	ON	OFF	ON		OPEN		
	3305	MOM.	OFF	MOM.				
	3307	ON	OFF	MOM.				
	3308	ON	NONE	MOM.		N/A		

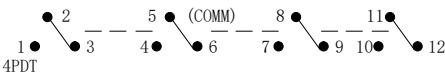
3PDT



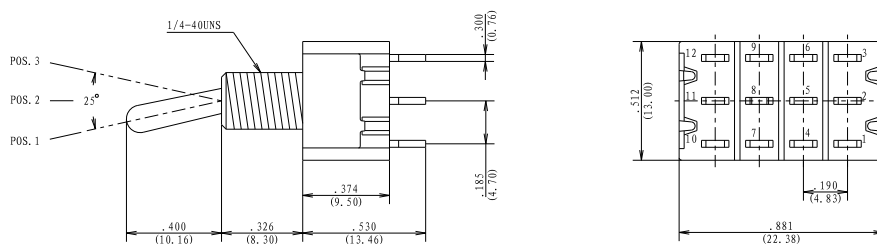
DP	3211*	ON	ON	ON	2-3, 5-6	2-3, 5-4	2-1, 5-4	 DPDT
	3213*	ON	ON	MOM.				
	3215*	MOM.	ON	MOM.				

SP3T



4P	3411*	ON	ON	ON	2-3, 5-6, 8-9, 11-12	2-3, 5-4, 8-9, 11-10	2-1, 5-4, 8-7, 11-10	 4PDT
	3413*	ON	ON	MOM.				
	3415*	MOM.	ON	MOM.				

DP3T



MOM. = Momentary
* Wiring for 3-way switch



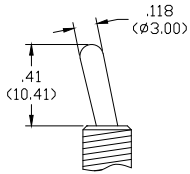
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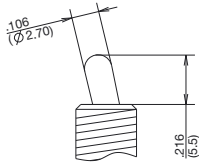
ACTUATOR

S 10.41 HIGH



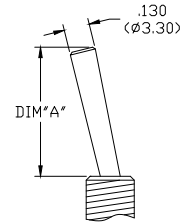
S actuator standard ordered with Z, C & Z3 terminations.
With the shape of 4P, the height of S actuator is .400 (10.16 mm).

M 5.5 HIGH



M actuator standard ordered with Z, C & Z3 terminations.

L, L1, L2 21.34, 16.6, 13.97 HIGH

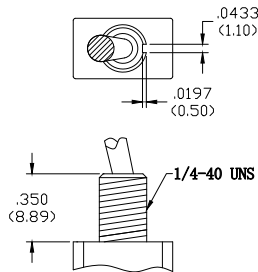


OPTION CODE	DIM 'A'
L	0.84 (21.34)
L1	0.654 (16.6)
L2	0.55 (13.97)

BUSHING

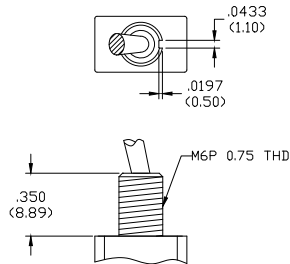
Y 8.89 HIGH,
STD, KEYWAY

Y9 8.89 HIGH,
NON-THD, KEYWAY

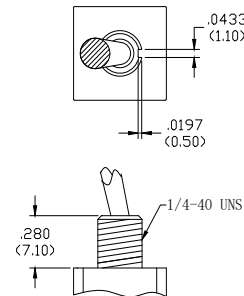


Y bushing standard with Z, C & Z3 terminations.
With the shape of 4P, the height of bushing Y is .327 (8.30 mm).

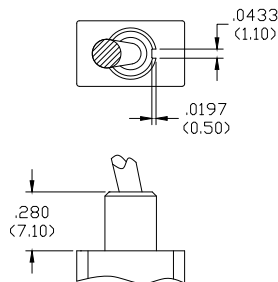
Y3 8.89 HIGH,
METRIC, KEYWAY



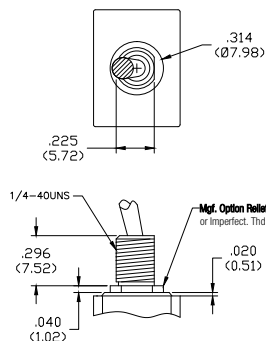
D 7.1 HIGH,
STD, KEYWAY



D9 7.1 HIGH,
NON-THD, KEYWAY



H 7.52 HIGH,
FLAT



Third Angle
Projection

Dimensions are shown: Inches (mm)
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C&K

30 Apr 20



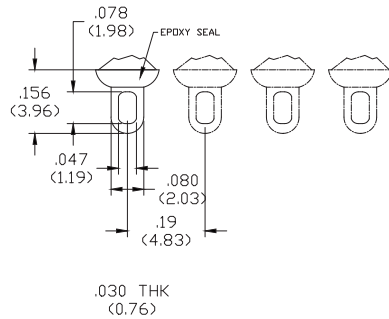
F

Toggle

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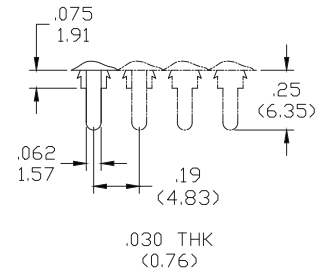
TERMINATIONS

Z SOLDER LUG



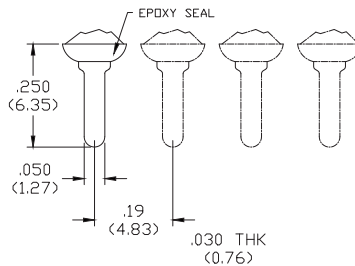
SPDT thru 4PDT

Z3 QUICK CONNECT



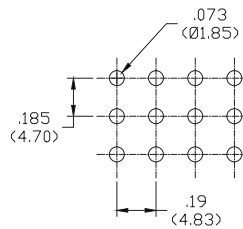
SPDT thru 4PDT

C PC THRU-HOLE

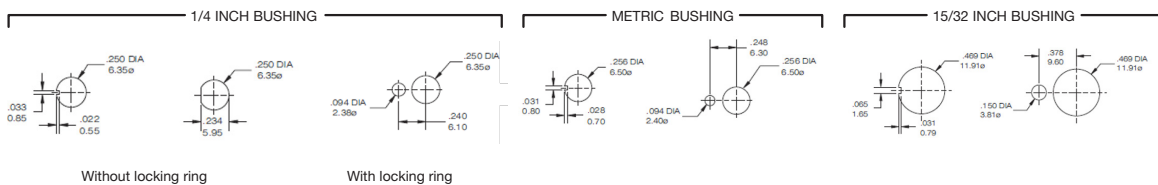


SPDT thru 4PDT

PC MOUNTING



PANEL MOUNTING



Without locking ring

With locking ring



T

Toggle

C&K

30 Apr 20



Third Angle
Projection

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