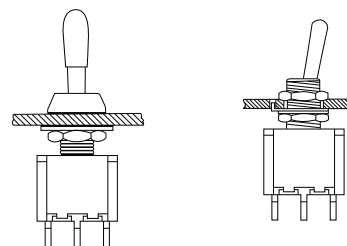


Specifications

Contact rating	5 A @ 125 VAC or 28 VDC (for plating: silver)
Durability	50000 cycles at full load
Contact resistance	10 mΩ max. initial @ 3 VDC, 100 mA
Insulator resistance	1000 MΩ min.
Dielectrical withstanding	1500 VAC
Operation temperature	-30 °C to +85 °C

Materials

Case	Diallyl phthalate (DAP)
Bushing	Copper alloy, plating: nickel
Toggle handle	Copper alloy, plating: chrome
Housing	Stainless steel
Contact and terminal	Copper alloy, plating: see order code and table



Straight type - part numbering guide

S W - T 8 0 1 3 - S E C Q - E - S 2 0 - T 1 - 2 - H

Switch Function		Actuator		Bushing		Terminal		Vertical Support Bracket		Cap Color			
T8013	SP on-none-on	S	10.41	E	(STD)	8.89	B	solder lug	(none)	0	transparent		
T8013A	SP on-none-(on)	T	5.08	M	(non-thd)	8.89	C	printed circuit	S20	11.68	1	white	
T8014	SP on-off-on	X	13.97	K	(metric)	8.89	D	quick connect	S25	16.00	2	black	
T8014A	SP (on)-off-(on)	W	21.34	F		7.10	D1	wire wrap(19.05)	S35	11.68	3	red	
T8014B	SP on-off-(on)	V	16.26	N	(non-thd)	7.10	D3	wire wrap(10.8)	S40	16.00	4	orange	
T8011	DP on-none-on	Y	21.34	G		7.52			V20	11.68	5	yellow	
T8011A	DP on-none-(on)			G1	(non-thd)	7.52			V25	16.00	6	green	
T8012	DP on-off-on			H		8.00			V35	11.68	7	blue	
T8012A	DP (on)-off-(on)			H1	(non-thd)	8.00			V40	16.00			
T8012B	DP on-off-(on)			H2	(metric)	8.00							
T8301	3P on-none-on	U	11.43	J	(long)	9.60	Q	silver (std.)					
T8303	3P on-none-(on)	U1	7.20	J1	(non-thd)	9.60	R	gold					
T8305	3P on-off-on	U2	21.30	L	(splash-proof)	7.47	G	gold over silver					
T8307	3P (on)-off-(on)						K	tin					
T8309	3P on-off-(on)												
T8401	4P on-none-on	Z	11.68		none								
T8403	4P on-none-(on)	Z1	17.45										
T8405	4P on-off-on	Z3	antirotation (17.45)										
T8407	4P (on)-off-(on)	Z4	antirotation (11.68)										
T8409	4P on-off-(on)												
3-way Position Switches		Flatted Toggle		the actuator: Z/Z1/Z3/Z4/LK/LK1 No requirement to choose the bushing unless the splash proof (L & W) ZL/Z1L/ZW/Z1W/LKL/LK1L and the non-thd (N) LKN/LK1N		Contact Plating		Actuator Cap/ Rubber Hood Sealing		O-Ring			
T812	SP3T on-on-on							(none)				(none)	
T812A	SP3T (on)-on-(on)	U	11.43									E6	for inch thd
T812B	SP3T on-on-(on)	U1	7.20										
T845	DP3T on-on-on	U2	21.30										
T847	DP3T (on)-on-(on)												
T849	DP3T on-on-(on)												
		Large15/32 Bushing				Epoxy Seal		Rubber Hood		RoHS Code			
						(none)		(none)		H = RoHS Compliant			
						(none)		E1 for E Bushing					
						E		E2 for Z/Z1 Bushing					
								E3 for Z/Z1 Bushing					
								K1 for K bushing					
								Actuator Cap					
								T1 10.58 (for actuator S)					
								T2 7.56 (for actuator T)					

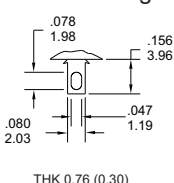
Contact material option

Code	Contact material	Terminal material	Rating
Q	Silver plated	Silver plated	5 A @ 125 V AC or 28 V DC; 3 A @ 250 V AC
R	Gold plated over nickel plated	Gold plated over nickel plated	0.4VA MAX @ 20 V AC or DC MAX
G	Gold plated over silver plated	Gold plated over silver plated	0.4 VA MAX @ 20 V AC or DC MAX or 5 A @ 125 V AC or 28 V DC; 3 A @ 250 V AC

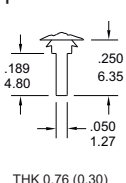
Terminal option

Terminal seal option

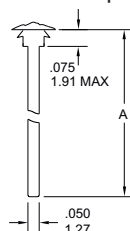
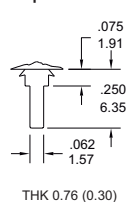
B solder lug



C printed circuit

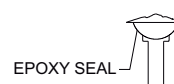


D quick connect / wirewrap



CODE	"A" dimension
D1	.750 (19.05)
D3	.425 (10.8)

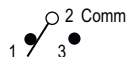
E Terminal seal



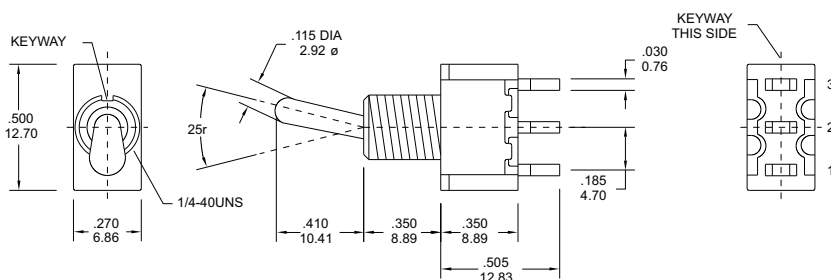
SW-T80T Series Miniature Toggle Switches Straight

Straight type

SPDT

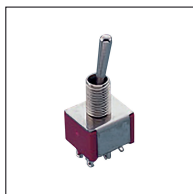


Model No.	Switching position		
T8013	ON	none	ON
T8013A	ON	none	(ON)
T8014	ON	OFF	ON
T8014A	(ON)	OFF	(ON)
T8014B	ON	OFF	(ON)
Term. Comm.	2-3	open	2-1

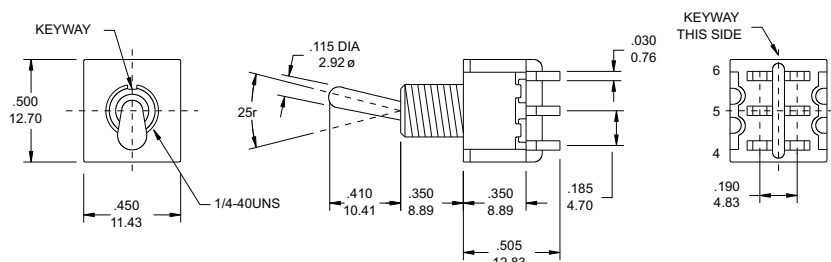


SW-T8013 - SEBQ

DPDT



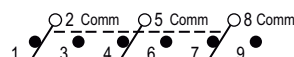
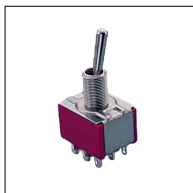
Model No.	Switching position		
T8011	ON	none	ON
T8011A	ON	none	(ON)
T8012	ON	OFF	ON
T8012A	(ON)	OFF	(ON)
T8012B	ON	OFF	(ON)
Term. Comm.	2-3,5-6	open	2-1,5-4
3 way switches (SP3T)			
T812	ON	ON	ON
T812A	(ON)	ON	(ON)
T812B	ON	ON	(ON)
Term. Comm.	2-3,5-6	2-3,5-4	2-1,5-4



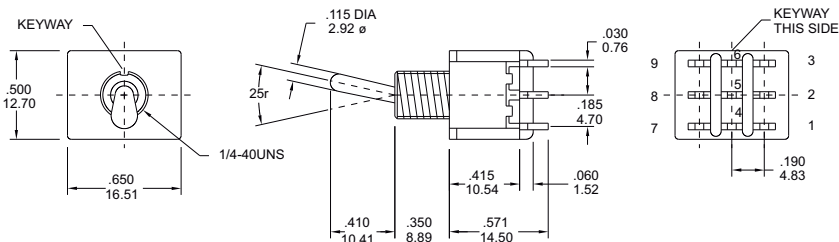
SW-T8011 - SEBQ

Please refer to page 6 for more info about 3-way switches

3PDT

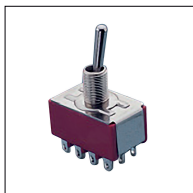


Model No.	Switching position		
T8301	ON	none	ON
T8303	ON	none	(ON)
T8305	ON	OFF	ON
T8307	(ON)	OFF	(ON)
T8309	ON	OFF	(ON)
Term. Comm.	2-3,5-6	open	2-1,5-4
	8-9		8-7

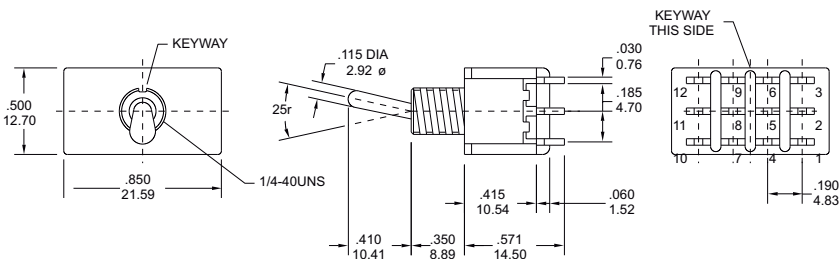


SW-T8301- SEBQ

4PDT



Model No.	Switching position		
T8401	ON	none	ON
T8403	ON	none	(ON)
T8405	ON	OFF	ON
T8407	(ON)	OFF	(ON)
T8409	ON	OFF	(ON)
Term. Comm.	2-3,5-6	open	2-1,5-4
	8-9,11-12		8-7,11-10
3 way switches (DP3T)			
T845	ON	ON	ON
T847	(ON)	ON	(ON)
T849	ON	ON	(ON)
Term. Comm.	2-3,5-6	2-3,5-4	2-1,5-4
	8-9,11-12	8-9,11-10	8-7,11-10



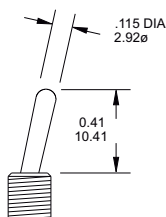
SW-T8401 - SEBQ

Please refer to page 6 for more info about 3-way switches

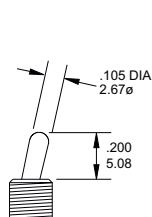


Actuator options

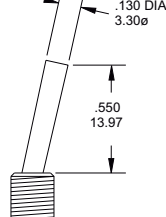
S (std.)



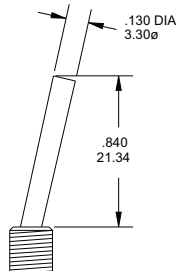
T (std.)



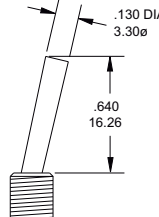
X long



W Long

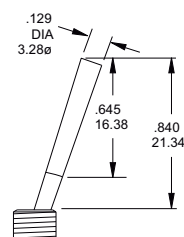


V Long



Y Plastic

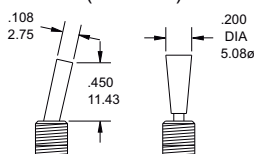
Handle color: black



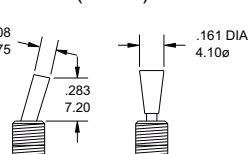
Shown height of actuator is with bushing „E“. It will be different with other bushing option.

Flatted actuator (only apply on bushing "H", "H1", "H2")

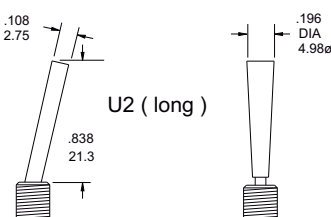
U (standard)



U1 (short)

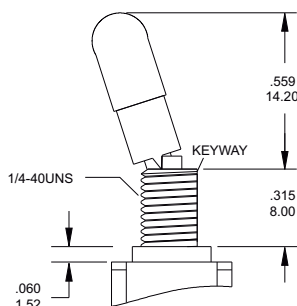


U2 (long)

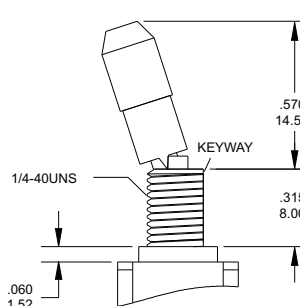


Locking Lever

LK (round top)



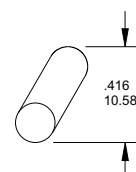
LK1(flat top)



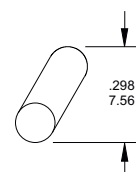
Toggle cap option

T1 for actuator „S“ only

T2 for actuator „T“



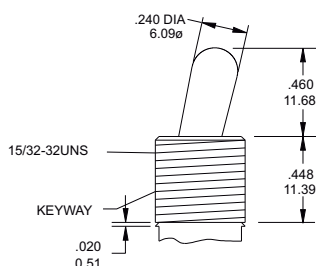
Material Vinyl



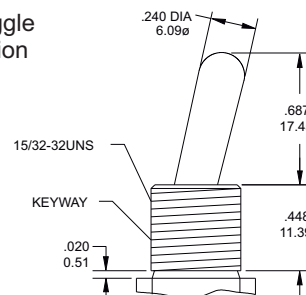
code	color	code	color	code	color	code	color
0	transparent	1	white	2	black	3	red
4	orange	5	yellow	6	green	7	blue

Bushing option code is not required unless " L " splashproof bushing is ordered

Z large toggle
Z4 antirotation

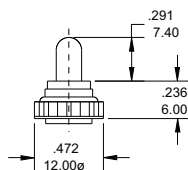


Z1 large toggle
Z3 antirotation

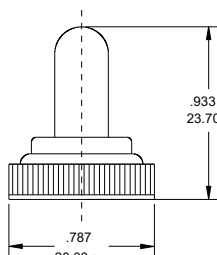


Bushing option code is not required unless " L " splashproof bushing is ordered

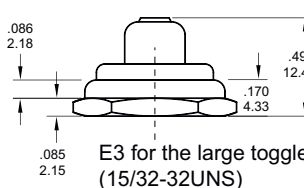
Rubber hood sealing



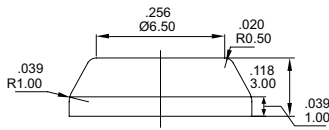
K1=METRIC
E1=INCH
E1-L=INCH



E2 for the large toggle
(15/32-32UNS)



E3 for the large toggle
(15/32-32UNS)

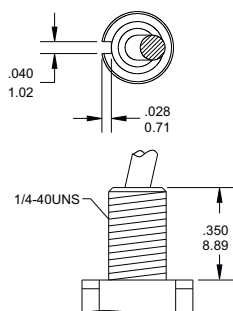


E6 O RING

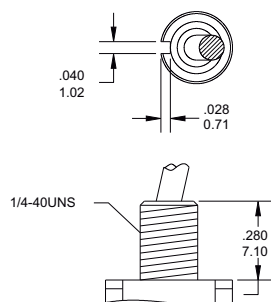


Bushing options

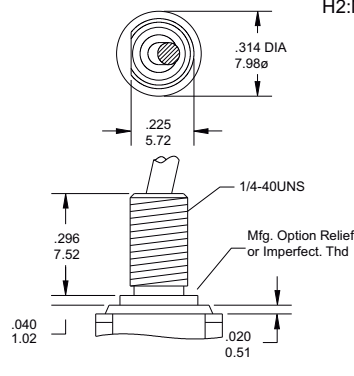
E: thread type (std.)
M: non-thread



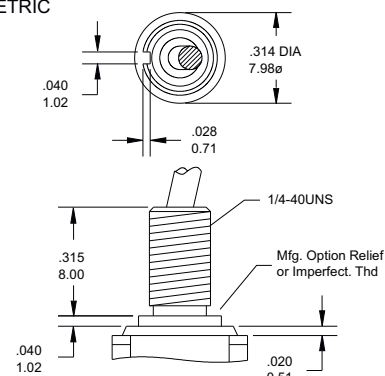
F: thread
N: non-thread



High torque
G: THD STD. TYPE
G1: NON-THD

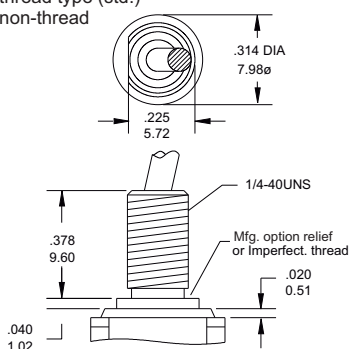


High torque
H: THD STD. TYPE
H1: NON-THD
H2: METRIC

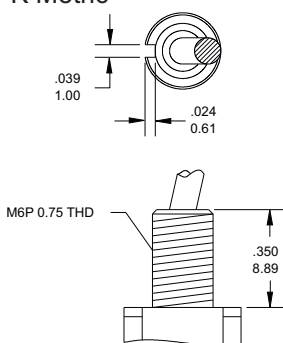


Long

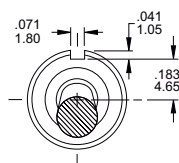
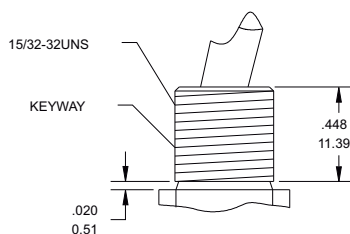
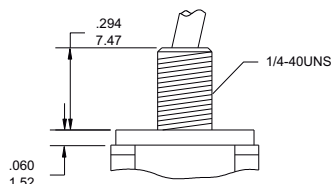
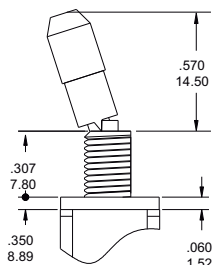
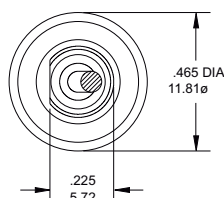
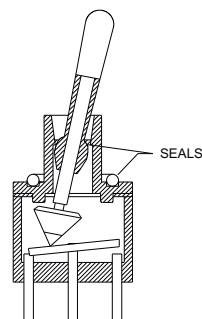
J: thread type (std.)
J: non-thread



K Metric

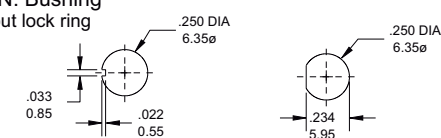


Splash water proof solution (L Splash-proof)

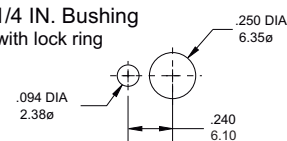


Panel mounting

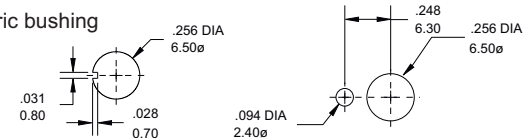
1/4 IN. Bushing
without lock ring



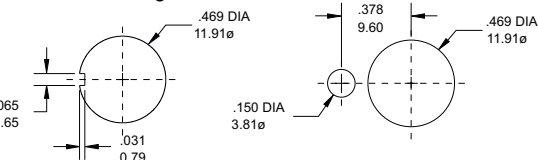
1/4 IN. Bushing
with lock ring



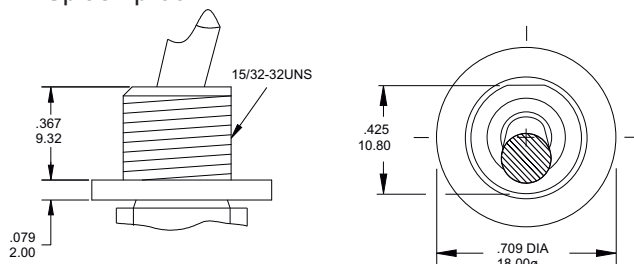
Metric bushing



15/32 IN. Bushing



W Splash proof

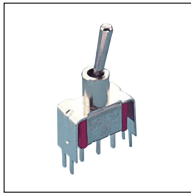


SW-T80T Series Miniature Toggle Switches Straight

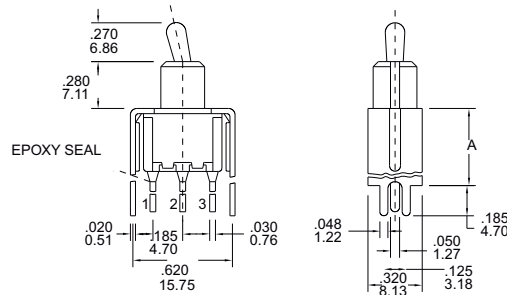
Vertical support bracket option

(Use terminal option code "C")

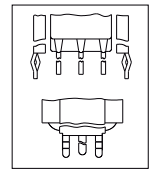
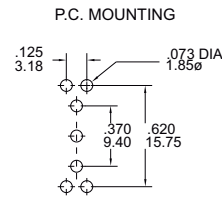
S20/S25/V20/V25



SPDT



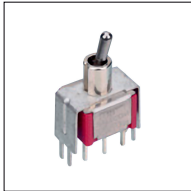
SW-T8013-TNCQ-S20(S25)



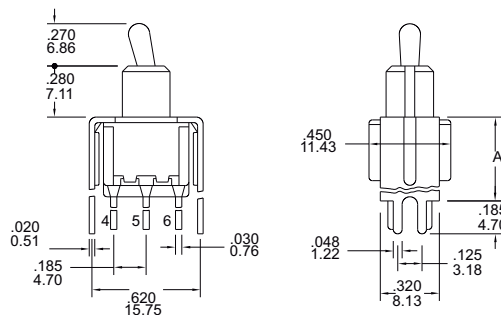
SNAP-IN
V20/ V25

CODE	"A"dimension
S20/V20	.460 (11.68)
S25/V25	.630 (16.00)
V20/V25 : the snap-in type	

S20/S25/V20/V25

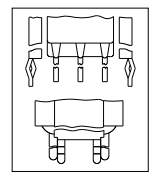
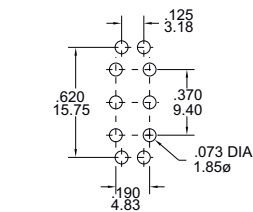


DPDT



SW-T8011-TNCQ-S20(S25)

P.C. MOUNTING

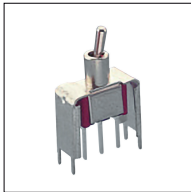


SNAP-IN
V20/ V25

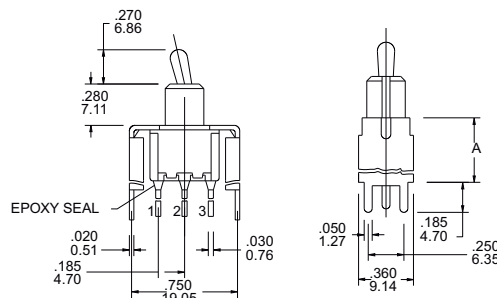
CODE	"A"dimension
S20/V20	.460 (11.68)
S25/V25	.630 (16.00)
V20/V25 : the snap-in type	

page 1 of 6

S35/S40/V35/V40

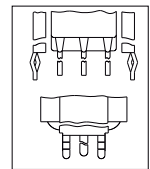
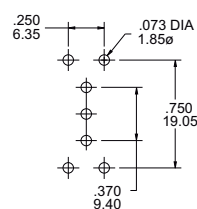


SPDT



SW-T8013-TNCQ-S35(S40)

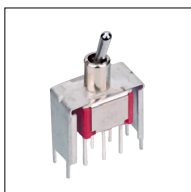
P.C. MOUNTING



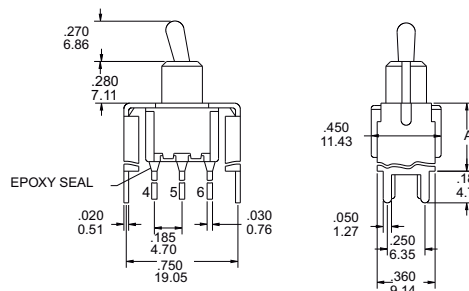
SNAP-IN
V35/ V40

CODE	"A"dimension
S35/V35	.460 (11.68)
S40/V40	.630 (16.00)
V35/V40 : the snap-in type	

S35/ S40/ V35/ V40

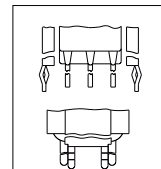
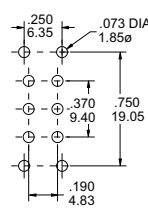


DPDT



SW-T8011-TNCQ-S35(S40)

P.C. MOUNTING



SNAP-IN
V35/ V40

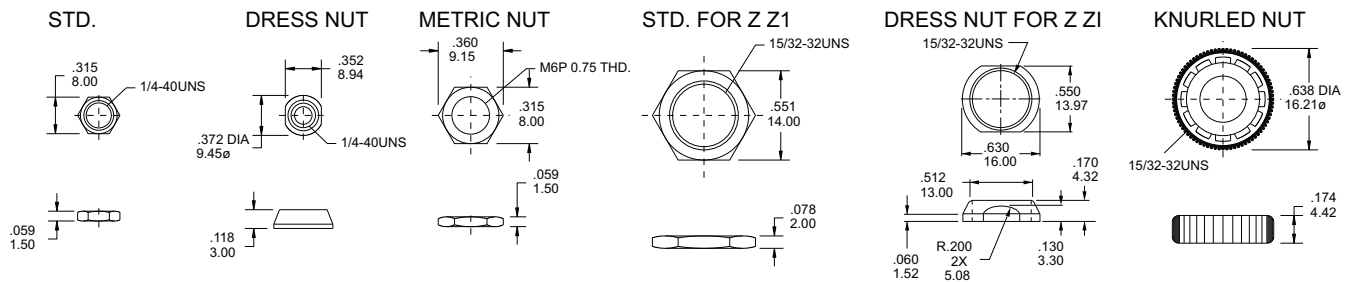
CODE	"A"dimension
S35/V35	.460 (11.68)
S40/V40	.630 (16.00)
V35/V40 : the snap-in type	

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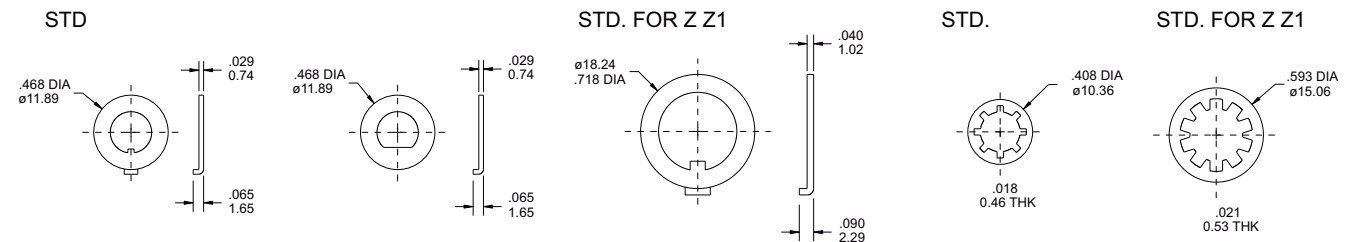


Accessories of T80T toggle switches

Nut



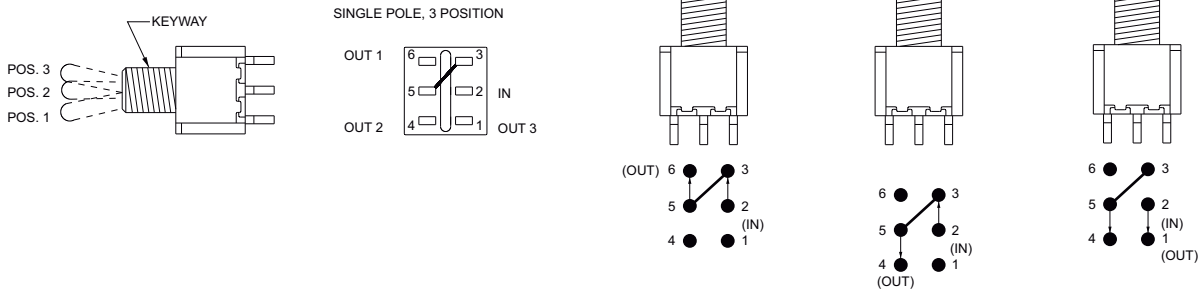
Locking ring



Lock washer

Information about 3-way toggle switches

SP3T



DP3T

