

Description

Sealed switches with perfect performance for soldering and cleaning processes. Excellent operation feedback provides the user with simple and intuitive operation. The robust internal structure ensures long product life to meet various application requirements like Instrument, Telecommunications & Medicals.

Electrical Specifications

Parameter Conditions & Remarks		Min	Max	Unit
Contact Resistance			10	m-ohms
Insulation Resistance	Between insulated terminals	1000		M-ohms
Dielectric Strength1500 VAC between adjacent switches		1		minute
Rating current125VAC(Detail refers to Contact250VACMaterial Options)28VDC		6 3 3		А

Mechanical and Environmental

Through hole type:	
Soldering temperature, 260°C for 5 seconds	
Maximum manual temperature, 350°C for 3 seconds	
Frequency of solder process: 2 times Max.	
Lead-Free. Fully compliant to RoHS Directive 2011/65/EU and 2015/863/EU	
10N max (applied in operation direction)	
30N for 30 seconds	
50,000 cycles	
-30°C to +85°C	
-30°C to +85°C	

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Ordering Information

Series	Terminal	Switch	Actuator	Bushing	Termination	Conta		Support	Actuat		Cap	O Ring
	Туре	Function			4	Mate	riai	Bracket	Сар) (Color	
033TE	S	SA	S	A	1	S		1	S		1	R
	•											
Code	Terminal type	e							•			
S	Straight						Со	de Actu	ator cap)		
Н	Horizon right						Bla	ank None				
V	Vertical right	angle							8 (for ac			
	Code Swit	ch function]	T 7.56	(for actu	uator T)	
		n-none-on										
		n-none-(on)									*	
		n-off-on							Co	de Ca	ap color	
		on)-off-(on)							C) Tr	anspare	ent
		n-off-(on)							1		'hite	
		n-none-on									ack	
		n-none-(on)									ed	
		on-off-on on)-off-(on)									range	
		n-off-(on)							5		ellow	
		osition swite	rhes								reen ue	
		n-on-on							/	, DI	ue	
			v					. ↓				
	-	Code Actu							Suppor	t brack	et	
	-	S 12.						Code	(S term			
	-	T 7.3	0 Protection					Blank	None			
		1 000	tuator					1	11.68			
	-		43(black)					2	16.00			
	-		43(white)					3	11.68			
	-		43(silver)					4	16.00	11 60		
	-	D 7.3	0(black)					<u> </u>	Snap-in Snap-in			
	-		0(white)					7	Snap-in			
	-	F 7.3	0(silver)					8	Snap-in			
												4
		Code	Bushing							ode C) ring	•
			non-thread 6	5.15								
			ead 8.89 (S te		ily)						lone	shing only
					¥	_				<u>ту</u> Г		
			Coo		nination	_ ↓						
			Bla		ht angle		. ما د	Contratt	Antostal			
					der lug		ode	Contact N				
			2		1.27 width		S D	Silver pla Gold pla				
			3		ck connect		B G	Gold pia				
			4		re wrap re wrap		G T	Tin plate				
				VVII	ewiap			ini piate				

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Mechanical Specifications

Figure 1 – 033TESSASA1S



	Switch position			
Name	•••	\sim	••••	
033TESSA	ON	none	ON	
033TESSB	ON	none	(ON)	
033TESSC	ON	OFF	ON	
033TESSD	(ON)	OFF	(ON)	
033TESSE	ON	OFF	(ON)	
Term. Comm.	2-3	open	2-1	



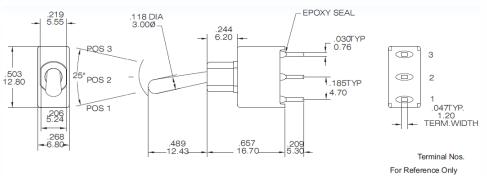
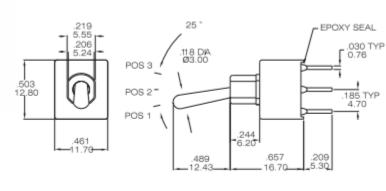
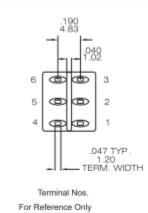


Figure 2 – 033TESDASA1S



N	Switch position				
Name	200	~	••••		
033TESDA	ON	none	ON		
033TESDB	ON	none	(ON)		
033TESDC	ON	OFF	ON		
033TESDD	(ON)	OFF	(ON)		
033TESDE	ON	OFF	(ON)		
Term. Comm.	2-3, 5-6	open	2-1, 5-4		
	3 Way switch				
033T-E-STA	ON	ON	ON		
Term. Comm.	2-3, 5-6	2-3, 5-4	2-1, 5-4		





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Figure 3 – 033TEHSATAS



SPDT 1 2 Comm

Nie week	Switch position				
Name [–]	~~~	~	+ · ·		
033TEHSA	ON	none	ON		
033TEHSB	ON	none	(ON)		
033TEHSC	ON	OFF	ON		
033TEHSD	(ON)	OFF	(ON)		
033TEHSE	ON	OFF	(ON)		
Term. Comm.	2-3	open	2-1		

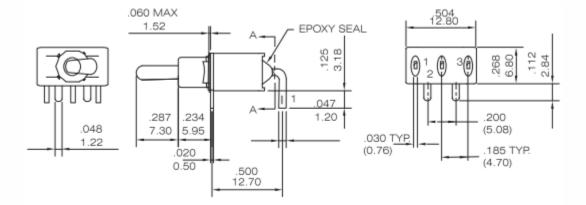
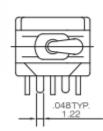
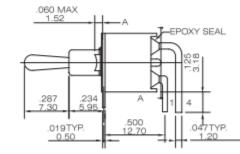


Figure 4 – 033TEHDATAS



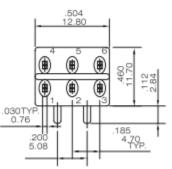
	<u>Sv</u>	vitch positio	on
Name	è • • •	~~•	+**
033TEHDA	ON	none	ON
033TEHDB	ON	none	(ON)
033TEHDC	ON	OFF	ON
033TEHDD	(ON)	OFF	(ON)
033TEHDE	ON	OFF	(ON)
Term. Comm.	2-3, 5-6	open	2-1, 5-4
3 Way switch		h	
033TEHTA	ON	ON	ON
Term. Comm.	2-3, 5-6	2-3, 5-4	2-1, 5-4





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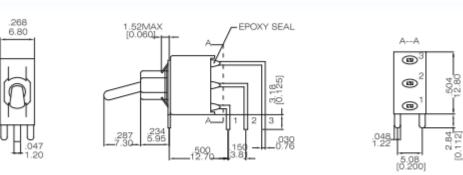


Figure 5 – 033TEVSATAS



	Switch position				
Name	~~~	~	••••		
033TEVSA	ON	none	ON		
033TEVSB	ON	none	(ON)		
033TEVSC	ON	OFF	ON		
033TEVSD	(ON)	OFF	(ON)		
033TEVSE	ON	OFF	(ON)		
Term. Comm.	2-3	open	2-1		





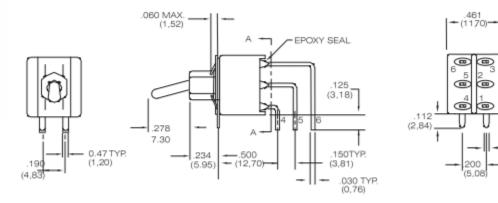
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Figure 6 – 033TEVDATAS



Switch position Name ~~ ~ ----033TEVDA ON ON none 033TEVDB ON (ON) none ON ON 033TEVDC OFF (ON) 033TEVDD (ON) OFF 033TEVDE ON OFF (ON) Term. Comm. 2-3, 5-6 open 2-1, 5-4 3 Way switch 033TEVTA ON ON ON Term. Comm. 2-3, 5-6 2-3, 5-4 2-1, 5-4

DPDT 1 9 3 4 6



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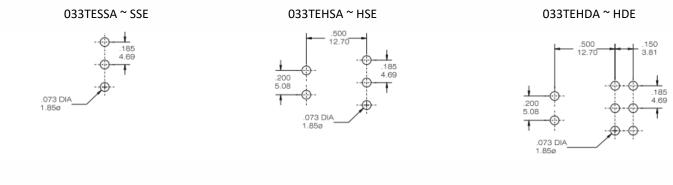
(12,80)

.048 TYP

(1,22)



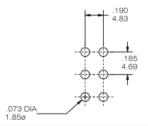
PCB Mounting Suggestions

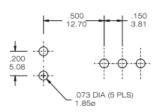


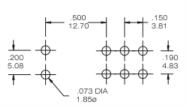
033TESDA ~ SDE

033TEVSA ~ VSE





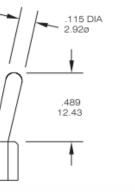


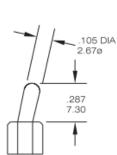


Actuator Options

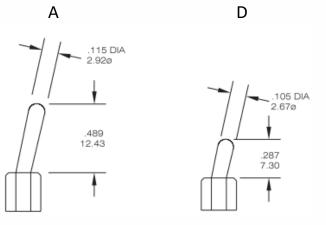








ESD Protection Toggle



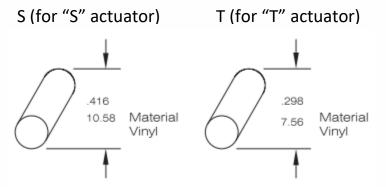
Code	Color	
Α、D	Black(std.)	
Β丶Ε	White	
C 、 F	Silver	

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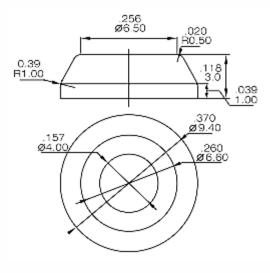
Actuator Cap Options



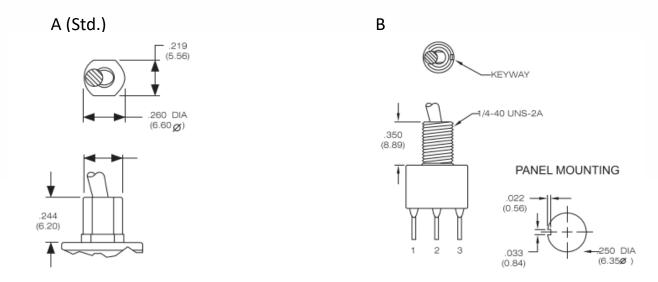
Code	Cap color		
0	Transparent		
1	White		
2	Black		
3	Red		
4	Orange		
5	Yellow		
6	Green		
7	Blue		

O Ring

R (for "B" bushing only)



Bushing Options



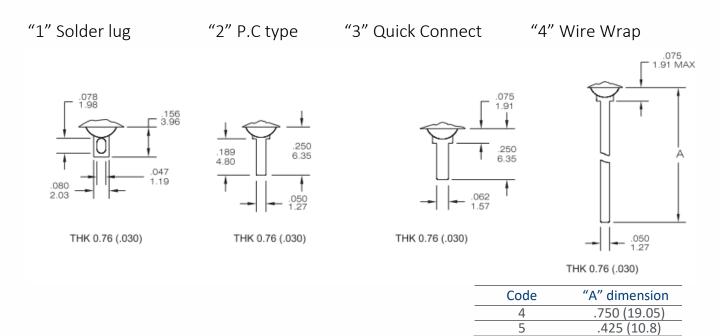
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Termination Options



Contact Material Options

Code	Contact Material	Terminal Material	Rating
S	Silver plated	Silver plated	6A@125VAC or 28VDC; 3A@250VAC
В	Gold plated over Nickel plated	Gold plated over Nickel plated	0.4VA Max. @20VAC or DC Max.
G	Gold plated over Silver plated	Gold plated over Silver plated	0.4VA Max. @20VAC or DC Max or 6A@125VAC or 28VDC; 3A@250VAC
Т	Gold plated over Nickel plated	Tin over Nickel plated	0.4VA Max. @20VAC or DC Max.

Note: Please contact factory for option "T".

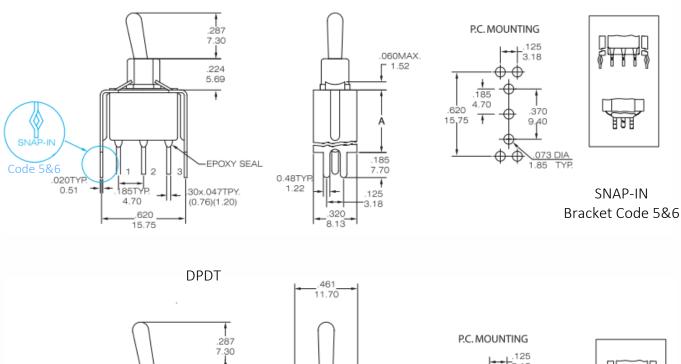


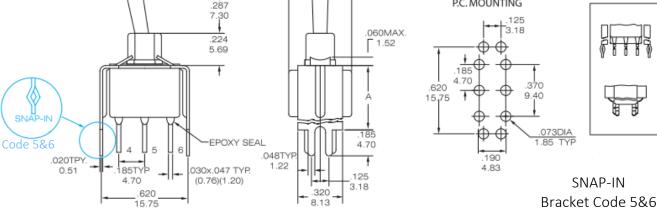
Vertical Support Bracket Options





Code	"A" dimension
1&5	.460 (11.68)
2&6	.630 (16.00)
Code 5&6	5: the Snap-in type





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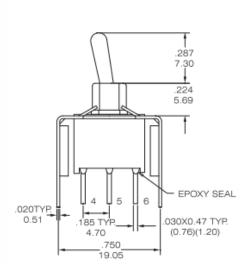
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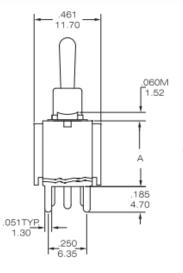
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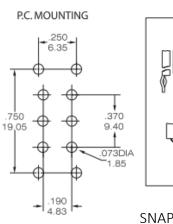


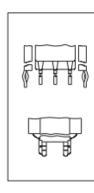
		00
	Code "A" dimension	
_	3 & 7 .460 (11.68)	-
_	4 & 8 .630 (16.00)	-
	Code 7&8: the Snap-in type	-
.020TYP 0.51 .740 .740 .740 .740 .740 .740 .740 .740		P.C. MOUNTING $f^{250}_{0,350}_{0,40}_{0,40}_{1,85}$

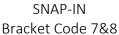
Code	"A" dimension	
3&7	.460 (11.68)	
4 & 8	.630 (16.00)	
Code 7&8: the Snap-in type		









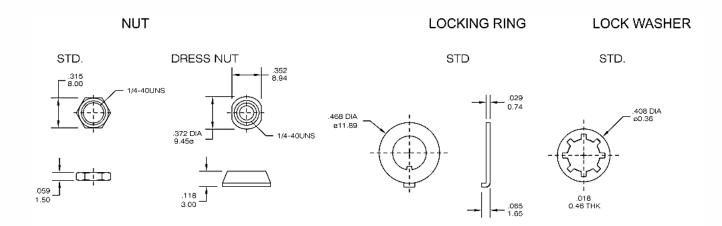


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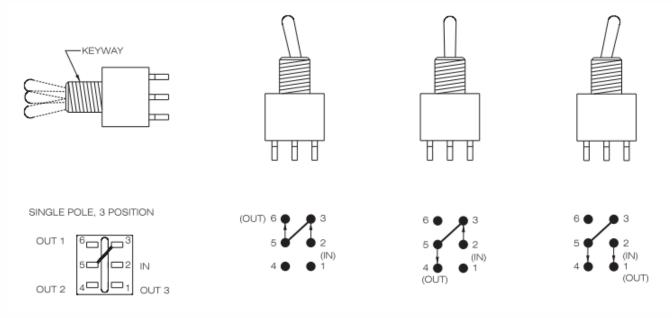
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Hardware Options (only for "B" bushing)



3-Way Toggle Switches



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