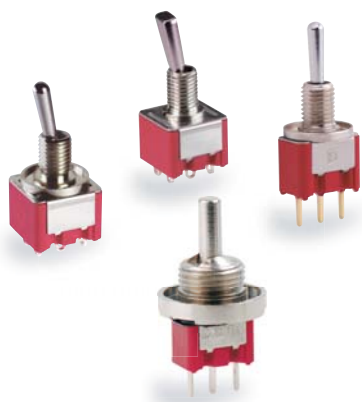




SPECIFICATIONS

CONTACT RATING: AC 125V 6A, AC 250V 3A, DC 28V 3A

MECHANICAL LIFE: 100,000 make-and-break cycles
DC 10V & 0.1mA.

CONTACT RESISTANCE: 10 mΩ max.

INSULATION RESISTANCE: 500V 500 MΩ min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

ACTUATOR: Brass,chrome plated.

BUSHING: Brass,nickel plated.

HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass,tin plated.

TERMINAL/CONTACT: Brass,with silver or gold plated.(See Page 23)



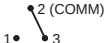
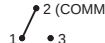
HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL PLATING	SEAL	RoHS SOLDERING
Model NO. 1FS1 SP ON-NONE-ON 1FS2 SP ON-NONE-(ON) 1FS3 SP ON-OFF-ON 1FS4 SP (ON)-OFF-(ON) 1FS5 SP ON-OFF-(ON) 1FD1 DP ON-NONE-ON 1FD2 DP ON-NONE-(ON) 1FD3 DP ON-OFF-ON 1FD4 DP (ON)-OFF-(ON) 1FD5 DP ON-OFF-(ON)	Actuator T1 10.5 high T2 5.4 high T3 14.2 high T4 16.4 high T5 21.4 high T6 11.5 high T61 21.5 high T12 11.2 high	Bushing B6 8.00 high BA1 9.00 high B9 7.52 high	Terminations M1 Solder Lug M2 PC thru-hole	Terminal plating Q Silver R Gold C Gold over silver	Seal E EPOXY (std) N NO EPOXY	RoHS soldering S RoHS & Lead Free

1F Series

Miniature Toggle Switches

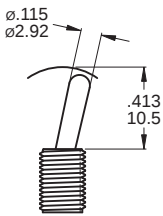
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
							
SP	1FS1	ON	NONE	ON	2-3 	N/A	2-1 
	1FS2	ON	NONE	(ON)		OPEN	
	1FS3	ON	OFF	ON			
	1FS4	(ON)	OFF	(ON)			
	1FS5	ON	OFF	(ON)			
DP	1FD1	ON	NONE	ON	2-3,5-6 	N/A	2-1,5-4 
	1FD2	ON	NONE	(ON)		OPEN	
	1FD3	ON	OFF	ON			
	1FD4	(ON)	OFF	(ON)			
	1FD5	ON	OFF	(ON)			

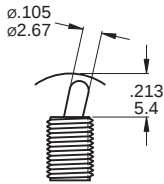
()=MOMENTARY

ACTUATOR OPTIONS

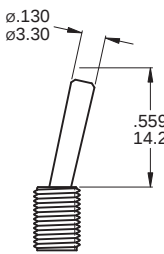
T1 STD



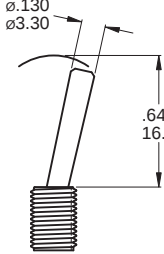
T2



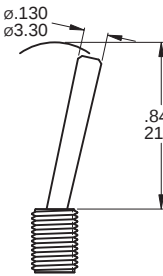
T3



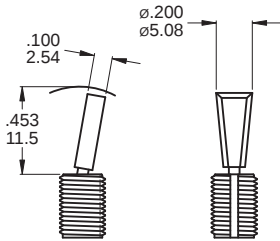
T4



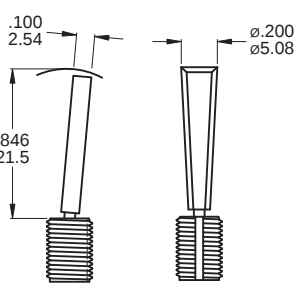
T5



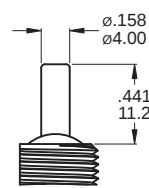
T6 FLATTED WITH ANTIROTATION



T61



T12

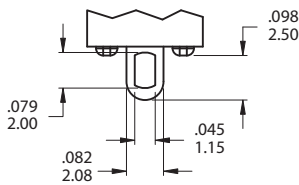


T12 use with BA1 bushing only
*T12 actuator mechanical life 200,000 cycles

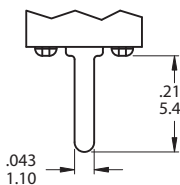
T6,T6-1 use with B6 bushing only

TERMINATION OPTIONS

M1 Solder lug

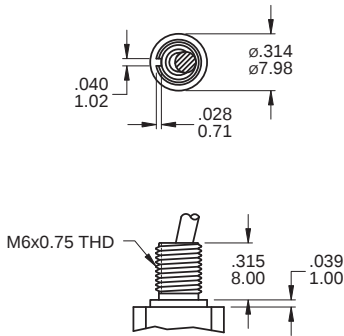


M2 PC Thru - hole

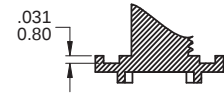
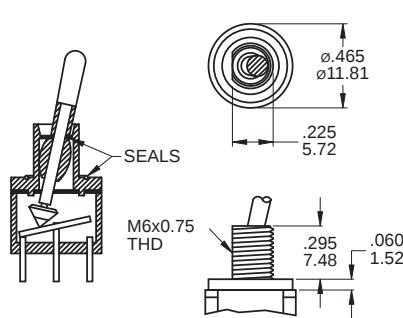


BUSHING OPTIONS

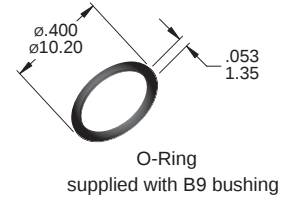
B6 HIGH TORQUE



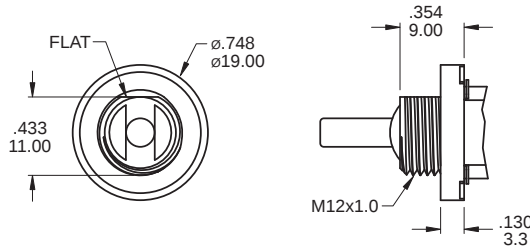
B9 SPLASH PROOF



CP-1TEB



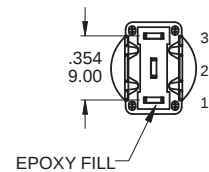
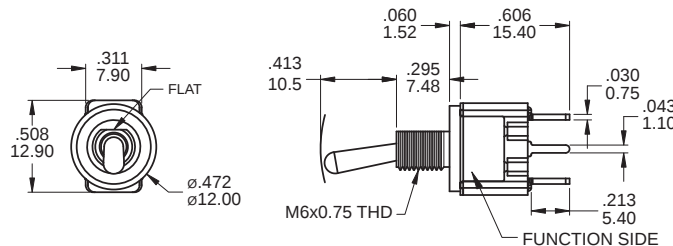
BA1 SPLASH PROOF



Use with T12 actuators only
BA1 Bear Strength from top of actuator
up to 10kg aside up to 15kg

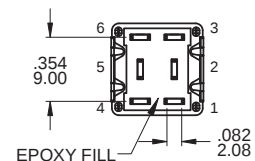
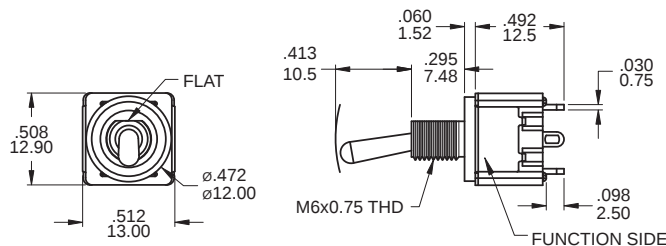
POLE OPTIONS

SPDT



Part No. Shown : 1FS1T1B9M2RES

DPDT



Part No. Shown : 1FD1T1B9M1QES

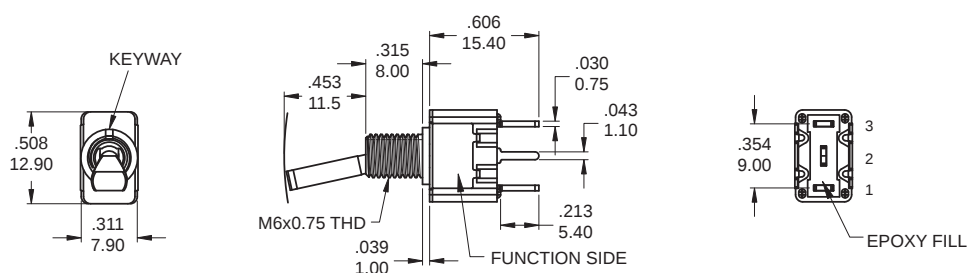
1F Series

Miniature Toggle Switches

SPDT

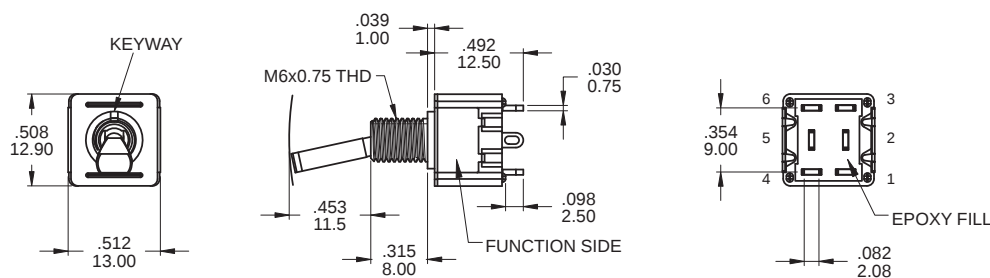


1F
Toggle Switches



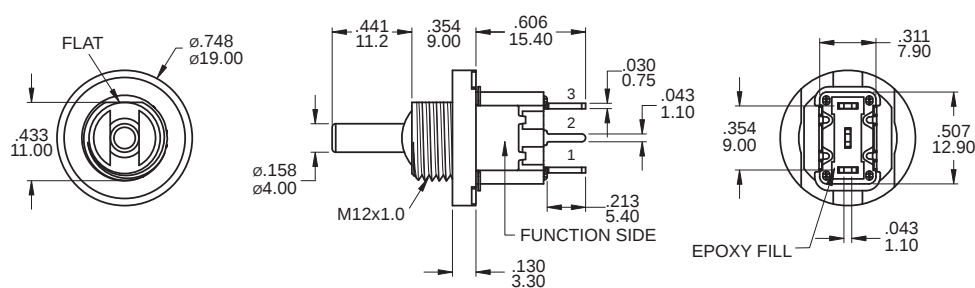
Part No. Shown : 1FS3T6B6M2QES

DPDT



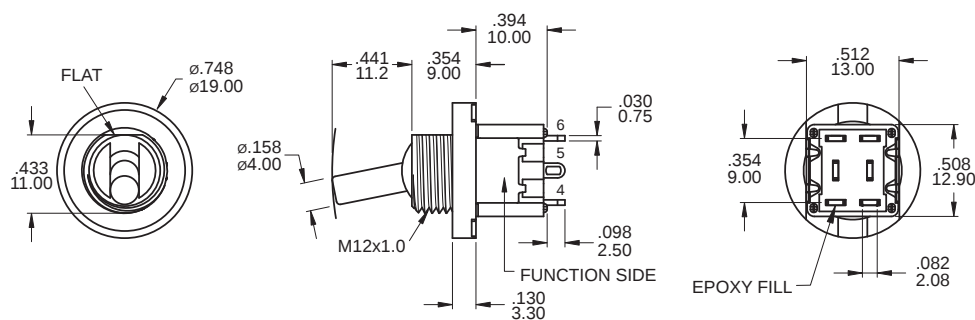
Part No. Shown : 1FD1T6B6M1QES

SPDT



Part No. Shown : 1FS3T12BA1M2QES

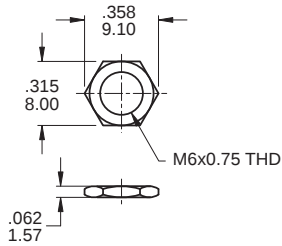
SPDT



Part No. Shown : 1FD1T12BA1M1QES

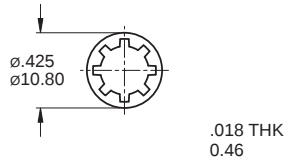
HARDWARE

M6x0.75 NUT



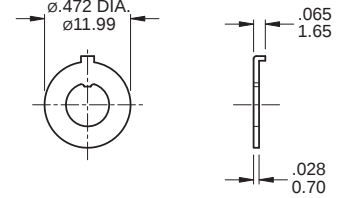
MNU-1M04

LOCKWASHER



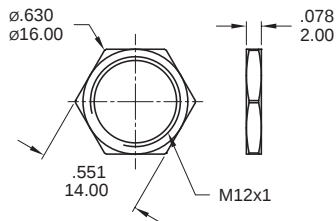
MNU-1M03

LOCKING RING



MNU-1M05

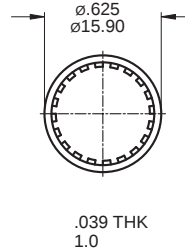
M12x1 NUT



MNU-1M42

Supplied standard with BA1 bushing

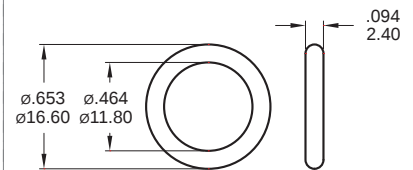
LOCKWASHER



MNU-1M09

Supplied standard with BA1 bushing

O-RING



FCP-1F04

Supplied standard with BA1 bushing

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	6 Amps with resistant load @ 125VAC
C	Gold over Silver	Gold over silver	3 Amps with resistant load @ 250VAC or 28VDC
R	Gold	Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

SOLDERING PROCESSES

MANUAL SOLDERING : Use soldering iron of 30 watts, controlled at 350°C
approximately 5 seconds while applying solder.

WAVE SOLDERING: Recommended Soldering Temperature: 270 ± 5°C

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)



1F
Toggle Switches