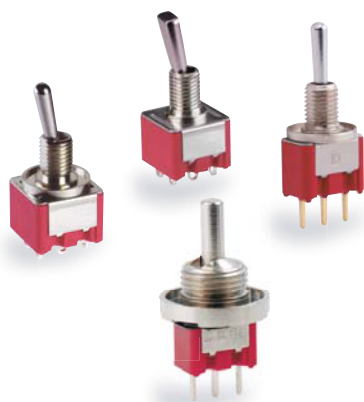




SPECIFICATIONS

CONTACT RATING: AC 125V 6A, AC 250V 3A ,DC 30V 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: -30°C to 85°C.

WATER-RESISTANCE: 100 make-and-break cycles min at 10 cm depth for T12 actuator.

MATERIALS

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

ACTUATOR: Brass,chrome plated.

BUSHING: Brass,nickel plated.

HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass,tin plated.

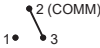
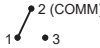
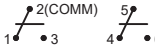
TERMINAL/CONTACT: Brass,with silver or gold plated.(See Page 23)



HOW TO ORDER

MODEL NO.	ACTUATOR	BUSHING	TERMINATIONS	TERMINAL PLATING	SEAL	RoHS SOLDERING
Model NO. BTFS1 SP On-None-On BTFS2 SP On-None-Mom. BTFS3 SP On- Off -On BTFS4 SP Mom.-Off-Mom. BTFS5 SP On- Off -Mom. BTFD1 DP On-None-On BTFD2 DP On-None-Mom. BTFD3 DP On- Off -On BTFD4 DP Mom.-Off-Mom. BTFD5 DP On- Off -Mom.	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 RoHS Compliant RoHS & Lead Free

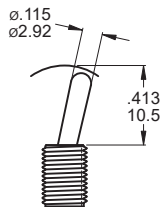
SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
							
SP	BTFS1	ON	NONE	ON		N/A	
	BTFS2	ON	NONE	MOM		OPEN	
	BTFS3	ON	OFF	ON			
	BTFS4	MOM	OFF	MOM			
	BTFS5	ON	OFF	MOM			
DP	BTFD1	ON	NONE	ON		N/A	
	BTFD2	ON	NONE	MOM		OPEN	
	BTFD3	ON	OFF	ON			
	BTFD4	MOM	OFF	MOM			
	BTFD5	ON	OFF	MOM			

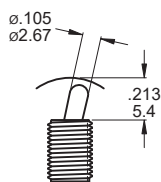
MOM=MOMENTARY

ACTUATOR OPTIONS

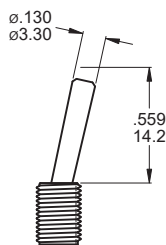
T1 STD



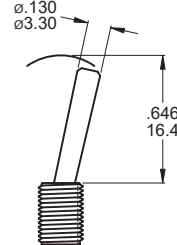
T2



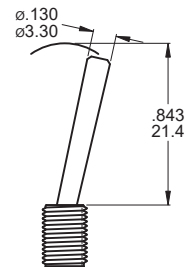
T3



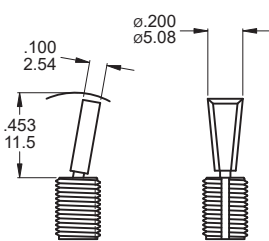
T4



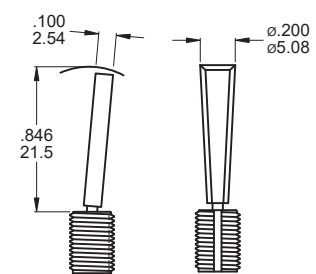
T5



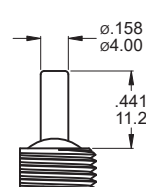
T6 FLATTED WITH ANTIROTATION



T61



T12

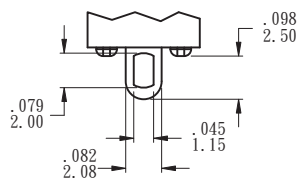


T12 use with BA1 bushing only
*T12 actuator mechanical life 200,000 cycles

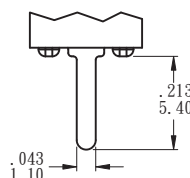
T6,T6-1 use with B6 bushing only

TERMINATION OPTIONS

M1 Solder lug



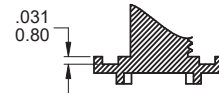
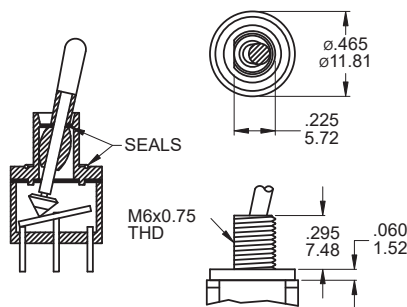
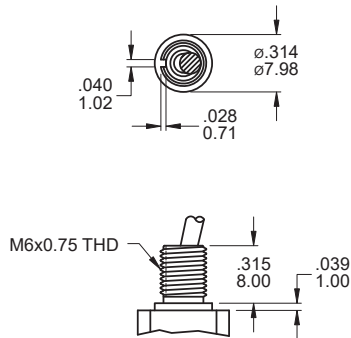
M2 PC Thru - hole



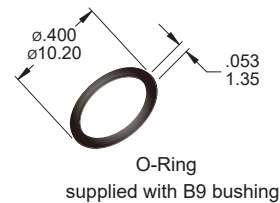
BUSHING OPTIONS

B6 HIGH TORQUE

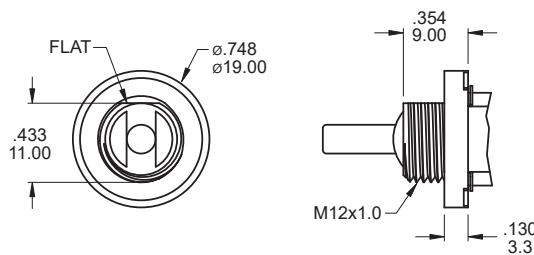
B9 SPLASH PROOF



CP-1TEB



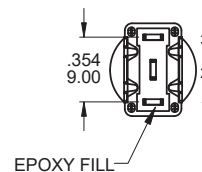
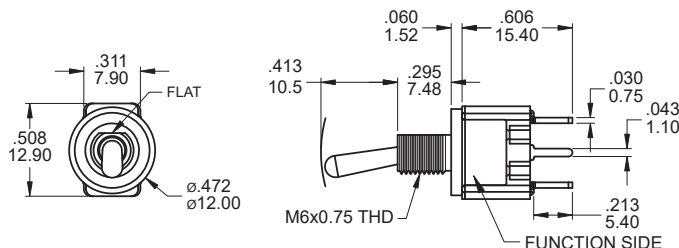
BA1 SPLASH PROOF



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

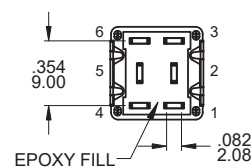
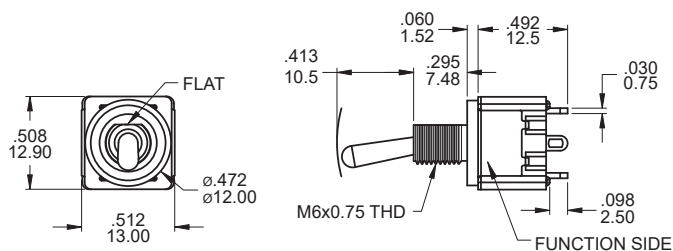
POLE OPTIONS

SPDT



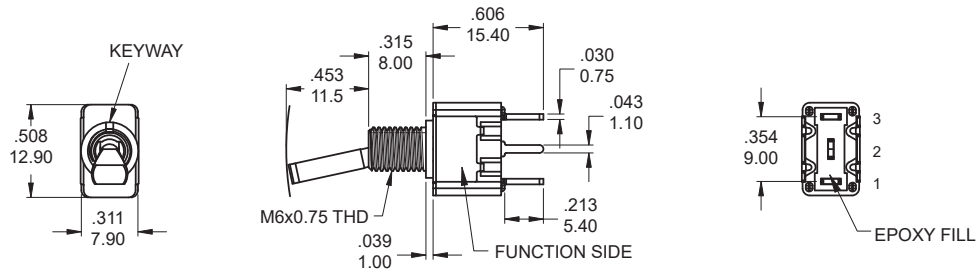
Part No. Shown : BTFS1T1B9M2RES

DPDT



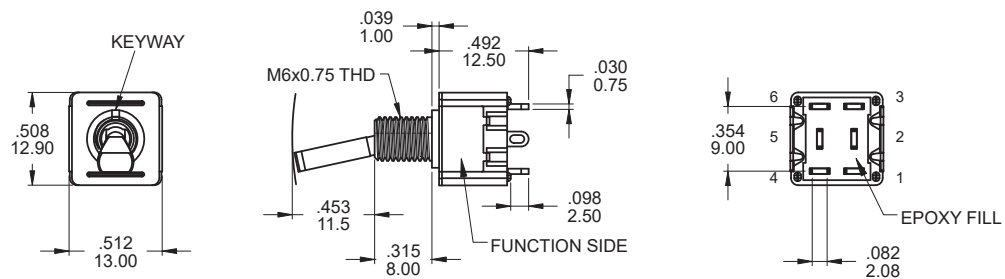
Part No. Shown : BTFD1T1B9M1QES

SPDT



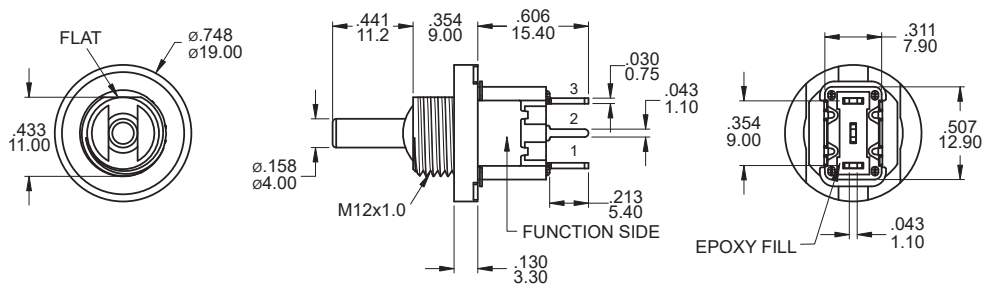
Part No. Shown : BTFS1T6B6M2QES

DPDT



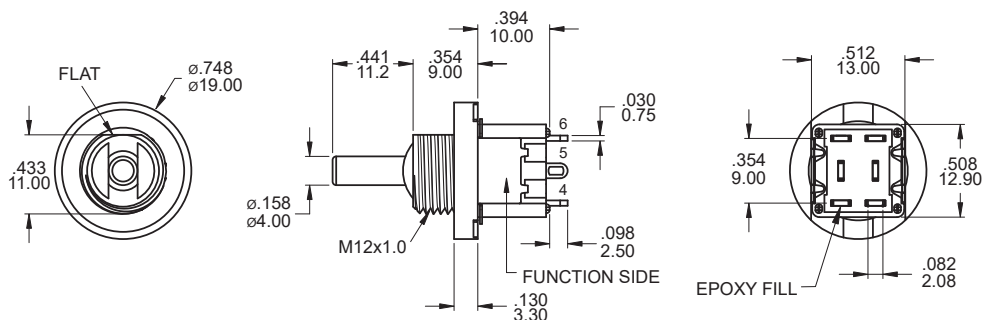
Part No. Shown : BTFD1T6B6M1QES

SPDT



Part No. Shown : BTFS1T12BA1M2QES

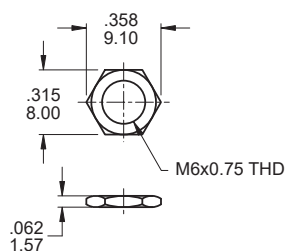
DPDT



Part No. Shown : BTFD1T12BA1M1QES

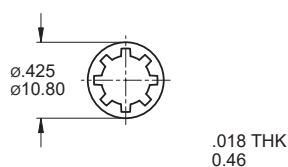
HARDWARE

M6x0.75 NUT



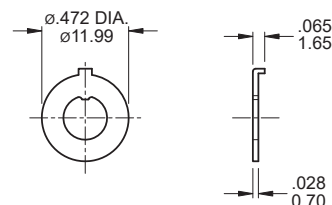
MNU-1M04

LOCKWASHER



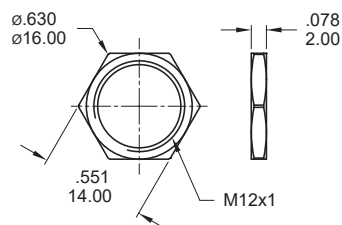
MNU-1M03

LOCKING RING



MNU-1M05

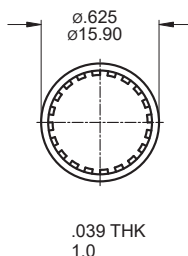
M12x1 NUT



MNU-1M42

Supplied standard with BA1 bushing

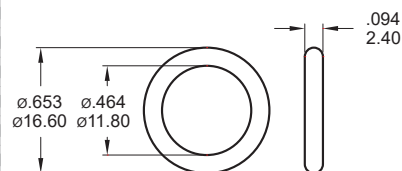
LOCKWASHER



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	Q = Silver	6 Amps with resistant load @ 125VAC
C	Gold over Silver	C = Gold over silver	3 Amps with resistant load @ 250VAC or 28VDC
R	Gold	R = 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)