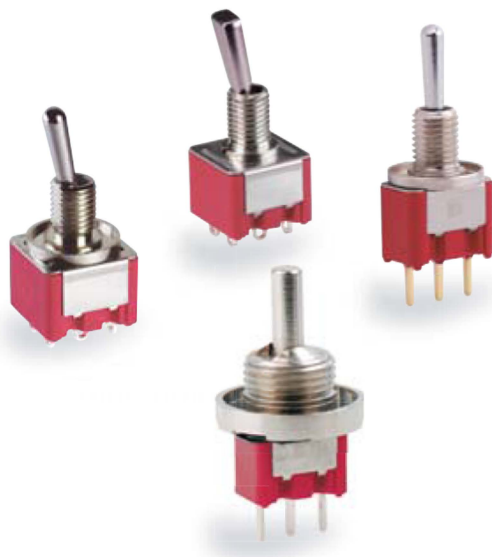




Miniature Toggle Switches

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.

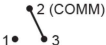
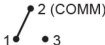
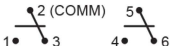
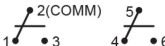
HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass,tin plated.

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



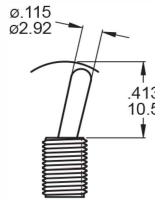
SWITCH FUNCTION

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		N/A	
	1FS2	ON	NONE	MOM		OPEN	
	1FS3	ON	OFF	ON			
	1FS4	MOM	OFF	MOM			
	1FS5	ON	OFF	MOM			
DP	1FD1	ON	NONE	ON		N/A	
	1FD2	ON	NONE	MOM		OPEN	
	1FD3	ON	OFF	ON			
	1FD4	MOM	OFF	MOM			
	1FD5	ON	OFF	MOM			

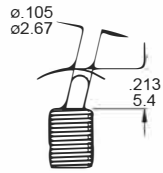
MOM=MOMENTARY

ACTUATOR OPTIONS

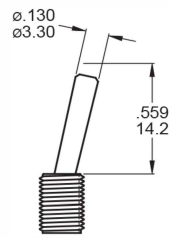
T1 STD



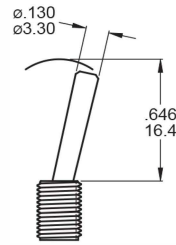
T2



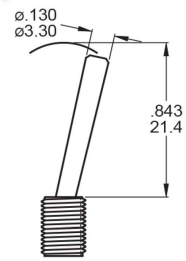
T3



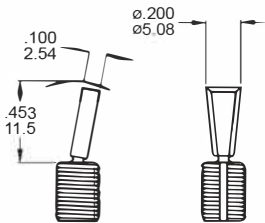
T4



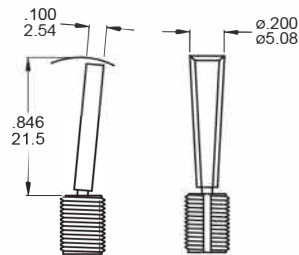
T5



T6 FLATTED WITH ANTIROTATION



T61



T12

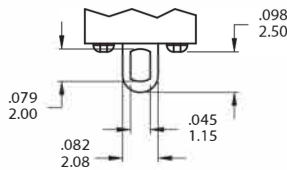


T12 use with BA1 bushing only
*T12 actuator mechanical life 200,000 cycles

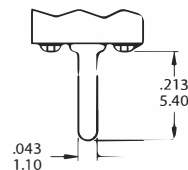
T6, T6-1 use with B6 bushing only

TERMINATION OPTIONS

M1 Solder lug

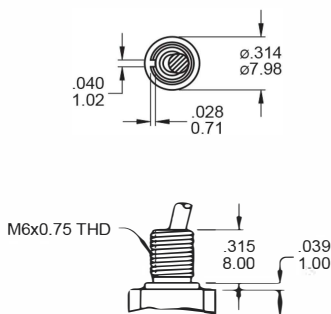


M2 PC Thru - hole

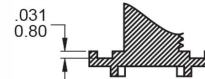
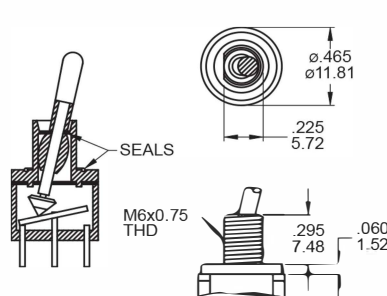


BUSHING OPTIONS

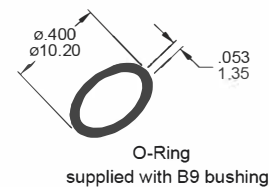
B6 HIGH TORQUE



B9 SPLASH PROOF

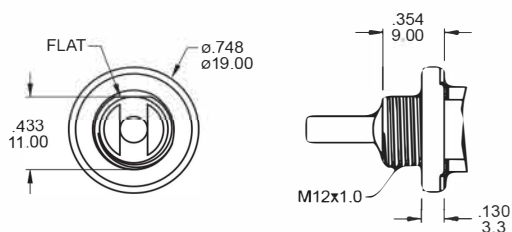


CP-1TEB



O-Ring supplied with B9 bushing

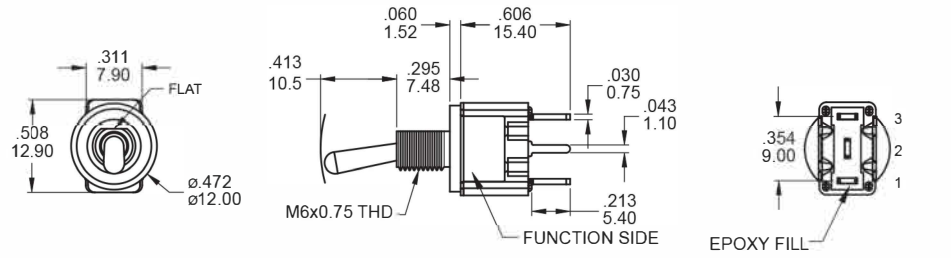
BA1 SPLASH PROOF



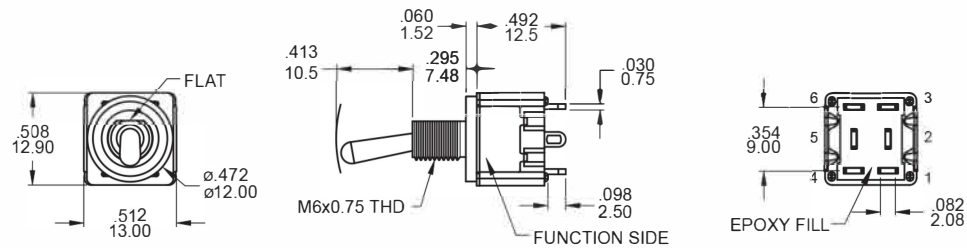
Use with T12 actuators only
BA1 Bear Strength from top of actuator up to 10kg aside up to 15kg

POLE OPTIONS

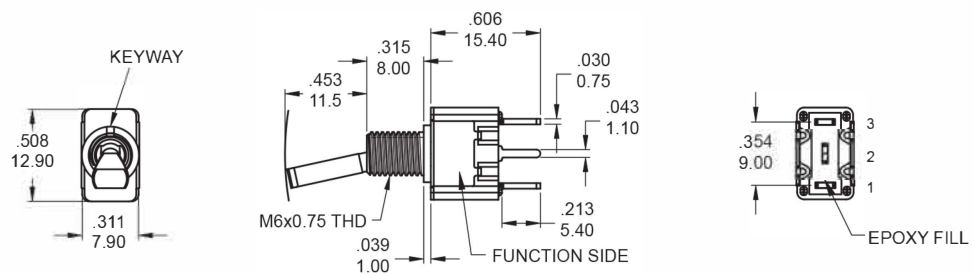
SPDT



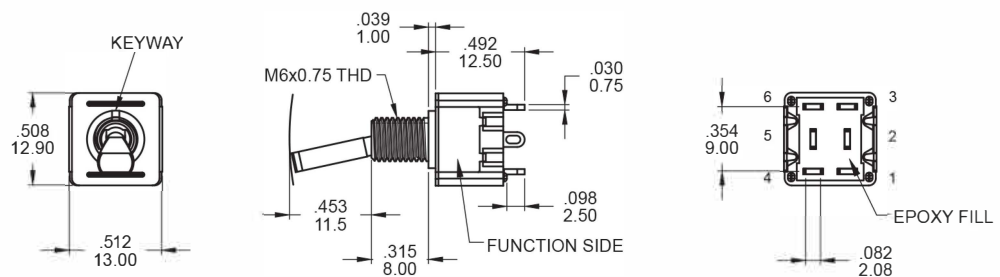
DPDT



SPDT



DPDT

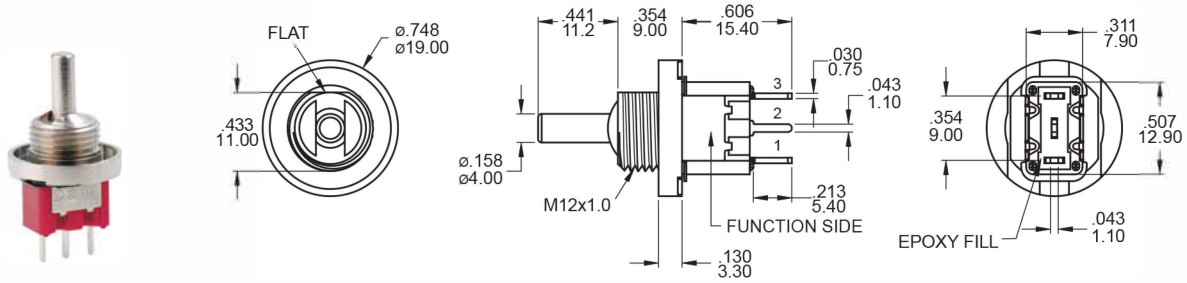


1F SERIES

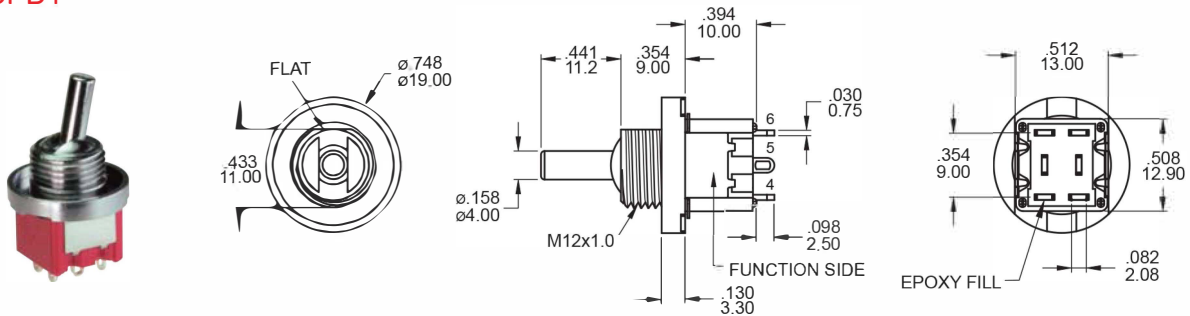
MINIATURE TOGGLE SWITCH



SPDT

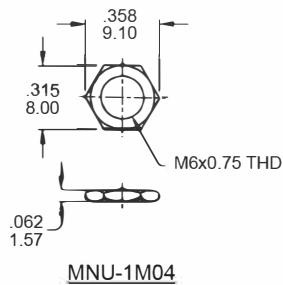


DPDT



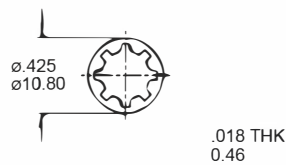
HARDWARE

M6x0.75 NUT



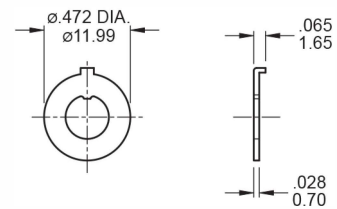
MNU-1M04

LOCKWASHER



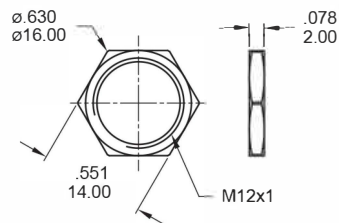
MNU-1M03

LOCKING RING



MNU-1M05

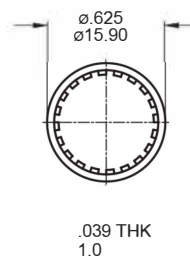
M12x1 NUT



MNU-1M42

Supplied standard with BA1 bushing

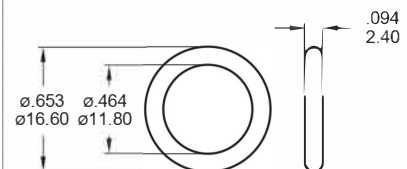
LOCKWASHER



MNU-1M09

Supplied standard with BA1 bushing

O-RING



FCP-1F04

Supplied standard with BA1 bushing

1F SERIES

MINIATURE TOGGLE SWITCH

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 30VDC
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: $270 \pm 5^{\circ}\text{C}$

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

