

TINY PUSH BUTTON SWITCHES



Series 50 (1 Pole - Momentary)

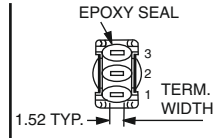
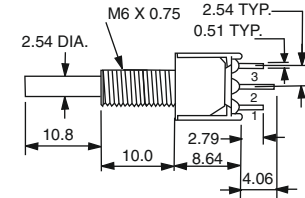
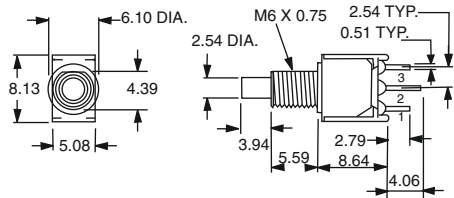
DESCRIPTION

Integral Tiny Push Switches embody all the design features of our highly popular miniature Toggle Switches such as epoxy sealing of terminals, silver inlay contacts for higher current operation, gold plated contacts for low-level circuit operation, various type of switching function, etc., P.C. versions with mounting on 0.1" (2.54mm) centres with very small volume and height, save space in PCB. This data sheet offers the normally used types of the switch. Many other variations can be offered on specific enquiry.

SPDT SOLDER

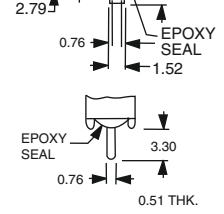
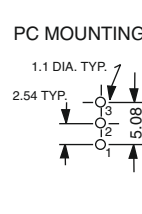
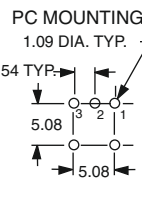
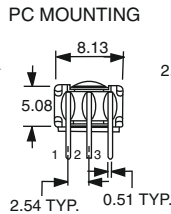
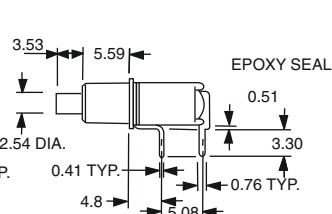
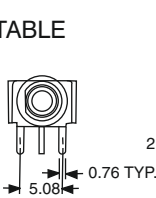


	SWITCHING FUNC.	
	POS 1	POS 2
See below	ON	MOM.
CONNECTED TERMINALS	2 - 1	2 - 3
SCHEMATIC	2 (COMM)	
	NC 1	3 NO
MOM. - MOMENTARY POSITION		

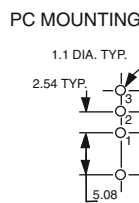
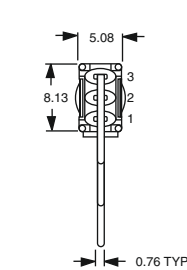
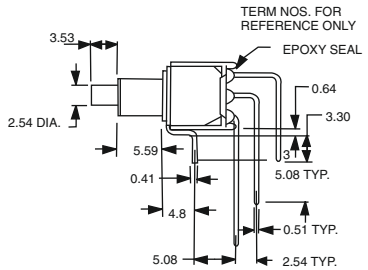
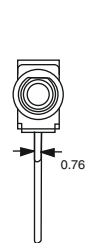


* Refer Plunger Selection

SPDT PC MOUNTABLE



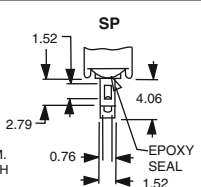
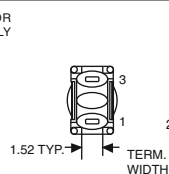
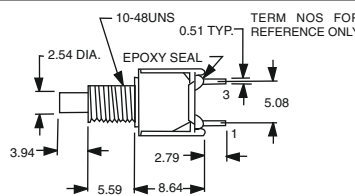
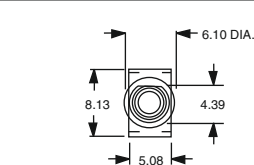
SPDT



SPST SOLDER



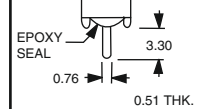
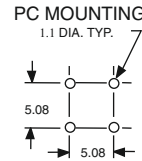
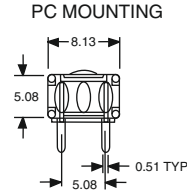
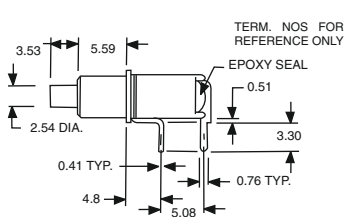
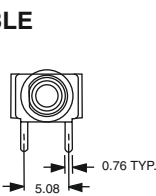
	SWITCHING FUNC.	
	POS 1	POS 2
SPST	OFF	MOM.
See below		
CONNECTED TERMINALS		1 - 3
SCHEMATIC		
MOM. - MOMENTARY POSITION		



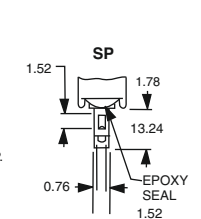
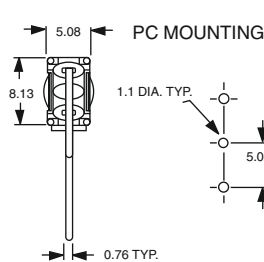
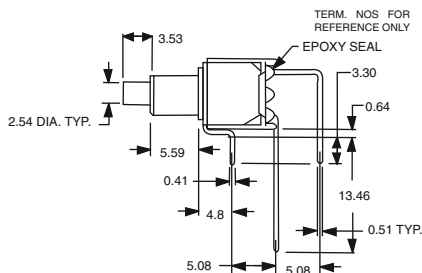
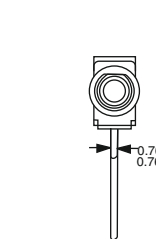
SPST PC MOUNTABLE



SP(NO)



SP(NO)



All Dimensions in mm.

SPECIFICATIONS

CONTACT RATING : See below under CONTACT SELECTION
 ELECTRICAL LIFE : 30,000 make-and-break cycles at full load
 CONTACT RESISTANCE : Below 20 milliohms initial @ 2-6 V DC.
 100 mA for both silver and gold plated contacts.
 INSULATION RESISTANCE : 1000 Megohms (min)
 DIELECTRIC STRENGTH : 1000 V RMS min. @ sea level.
 OPERATING TEMP. : -30° C to 85° C.

MATERIALS & FINISHES

BODY : Diallyl Phthalate (GF)
 PLUNGER : Nylon / PBT
 HOUSING : Stainless Steel
 BUSHING : Brass Nickel plated
 HARDWARE : Brass Nickel plated
 SWITCH SUPPORT : Brass electro-tin plated
 TERMINAL SEAL : Epoxy
 CONTACTS : See below under CONTACT SELECTION

ORDERING INFORMATION : Given below are the variations possible and corresponding ordering code.

CONTACT SELECTION

Order Code	CONTACTS & ALL TERMINALS.	RATING	: Copper/Copper alloy Silver plated
1	END CONTACTS	RATING	: 100 mA @ 120 V AC or 28 V DC
1	CENTRE CONTACTS & ALL TERMINALS.	RATING	: Coin silver, silver plated
1	CENTRE CONTACTS & ALL TERMINALS.	RATING	: Copper alloy silver plated.
2	CONTACTS & ALL TERMINALS	RATING	: 1 Amps. @ 120 V AC or 28 V DC
2	CONTACTS & ALL TERMINALS	RATING	: Copper alloy with gold plate over nickel plate.
3	END CONTACTS	RATING	: 0.4 VA max. @ 20 V AC or DC max.
3	END CONTACTS	RATING	: Coin silver with gold plate over nickel plate.
3	CENTRE CONTACTS & ALL TERMINALS.	RATING	: Copper alloy with gold plate over nickel plate.
3	CENTRE CONTACTS & ALL TERMINALS.	RATING	: 0.4 VA max. @ 20 V AC or DC max or 1 Amps @ 120 V AC or 28 V DC.

(This contact can be used where either dry circuit or power conditions exist. However when dry circuit rating is exceeded the gold plating is removed from the contact and the switch cannot be used in dry circuits.)

TERMINATION

Order Code	2	Solder Type Contacts	<p>DPDT</p>
Order Code	3	Straight PC Contacts	
Order Code	4	Bent PC Contacts for vertical operation (PCR)	
Order Code	5	Bent PC Contacts for horizontal operation (PCR)	

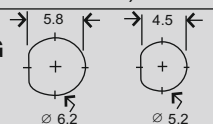
PLUNGER

Order Code	70	- Black Color Plunger w/o Cap
Order Code	71	- Red Color Plunger w/o Cap
Order Code	72	- Plunger with Black Color Cap
Order Code	73	- Plunger with Red Color Cap
Order Code	74	- Plunger with Green Color Cap
Order Code	* 77	- Black Colour Plunger (10.8 Long) with rubber boot **
Order Code	* 78	- Black Colour Plunger (10.8 Long) with rubber boot **
		* Refer page -D7

MOUNTING

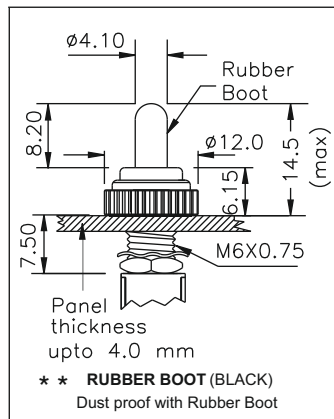
Order Code	0	Bush threaded	M5 x 0.5, 5.5 long
Order Code	1	Bush threaded	M6 x 0.75, 6.1 long (without collar)
Order Code	5	Bush unthreaded	∅ 5.0 x 0.5, 5.5 long
Order Code	6	Panel Sealing	M6 x 0.75
Order Code	7	Bush threaded	M6 x 0.75, 10.0 long (without collar)

PANEL MOUNTING HOLES



SWITCH FUNCTION

Order Code	0	SPST
Order Code	1	SPDT



ORDERING CODE

5

8

** Rubber Boot can be given only with plunger length 10.8mm long and bush length 10.0mm long



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