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SPECIFICATIONS

Contact Rating:	Dependent upon contact material
Electrical Life:	30,000 make-and-break cycles at full load
Contact Resistance:	20 mΩ max. typical initial @ 2-4 VDC 100 mA for both silver and gold plated contacts
Insulation Resistance:	1,000 MΩ min.
Dielectric Strength:	1,000 V RMS @ sea level
Operating Temperature:	-30° C to 85° C

MATERIALS

Case:	Diallyl phthalate (DAP) or glass filled nylon (UL94-V0)
Toggle Handle:	Brass, chrome plated
Bushing:	Brass, nickel plated
Housing:	Stainless steel
Switch Support:	Brass, tin plated
Contacts / Terminals:	Silver or gold plated copper alloy

c US

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

HOW TO ORDER

Series	Model No.	Actuator	Bushing	Termination	Contact Material	Seal
200	MSP1 MSP2 MSP3 MSP4 MSP5 MSP6 MDP1 MDP2 MDP3	T1 T2 T3 T4 T5	B1 B2 B3 B4 B5 B6 B7 B8	M1 M2 M6 M7 VS2	Q=Silver R=Gold	E Epoxy Seal at Base of Terminal

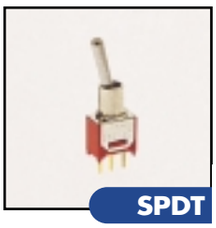
EXAMPLE

200 → MSP1 → T4 → B5 → M1 → R → E

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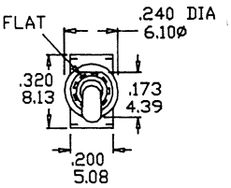
SUB-MINIATURE TOGGLE SWITCHES

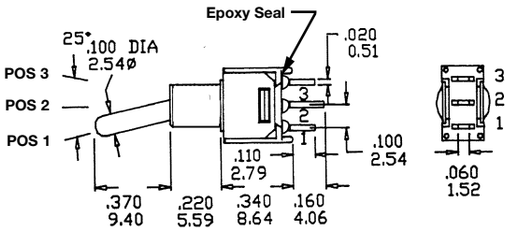


Model No.	POS 1	POS 2	POS 3
MSP-1	ON	NONE	ON
MSP-2	ON	NONE	(ON)
MSP-3	ON	OFF	ON
MSP-4	(ON)	OFF	(ON)
MSP-5	ON	OFF	(ON)
Term Comm.	2 - 3	OPEN	2 - 1
MSP-6	OFF	NONE	ON
Term Comm.	OPEN	NONE	3 -1

Schematic 2 Comm. ( ) = Momentary



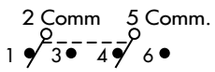


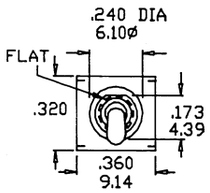


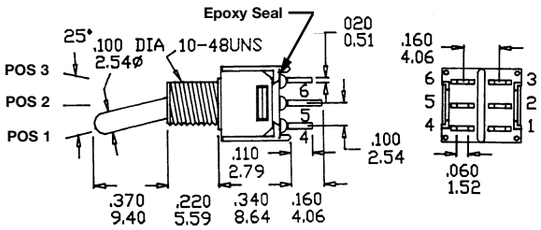


Model No.	POS 1	POS 2	POS 3
MDP-1	ON	NONE	ON
MDP-2	ON	NONE	(ON)
MDP-3	ON	OFF	ON
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4

Schematic ( ) = Momentary

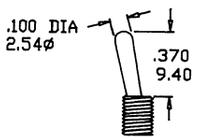




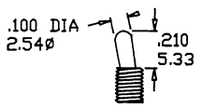


ACTUATOR OPTIONS

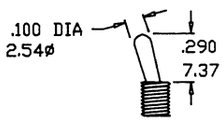
T1 *



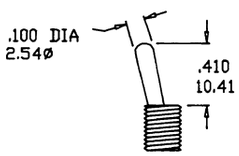
T2 *



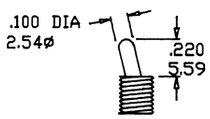
T3 *



T4 **



T5 **



* Actuator shown with B1, B2, B3, or B4 bushing; subtract 0.09 (2.29) for B5, B6 bushing. Subtract 0.040 (1.02) for B7, B8 bushing.
** Actuator shown with B5, B6 bushing; add 0.09 (2.29) for B1, B2, B3, and B4 bushing. Add 0.50 (1.27) for B7, B8 bushing.

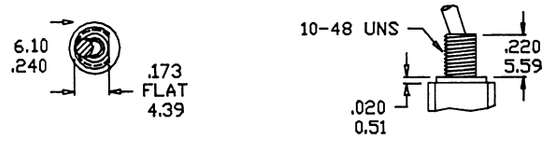
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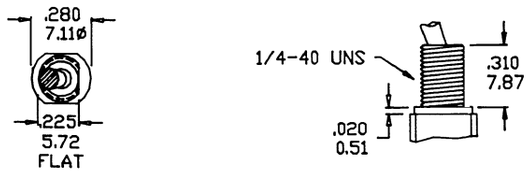
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BUSHING OPTIONS

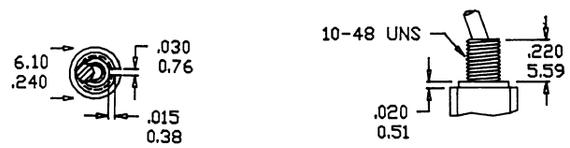
B1 THD
B2 NON-THD



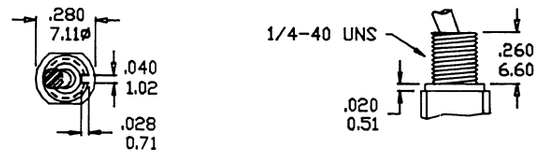
B5 THD
B6 NON-THD



B3 THD
B4 NON-THD

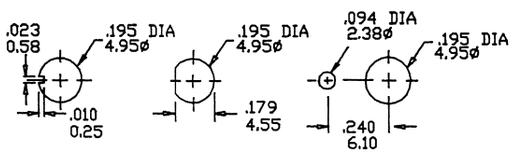


B7 THD
B8 NON-THD



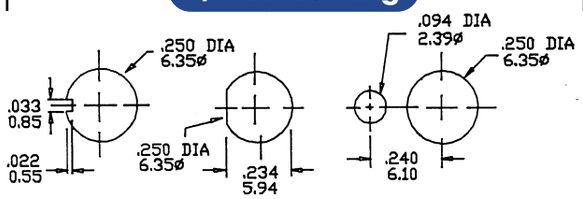
PANEL MOUNTING

10 - 48 Bushing



Without locking ring With std. locking ring

1/4 In. Bushing

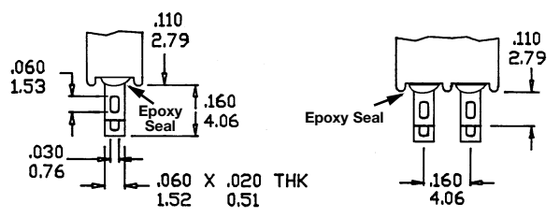


Without locking ring With std. locking ring

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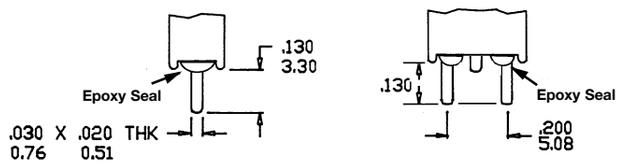
TERMINATION OPTIONS

M1



SINGLE POLE **DOUBLE POLE**

M2



SINGLE POLE **DOUBLE POLE**

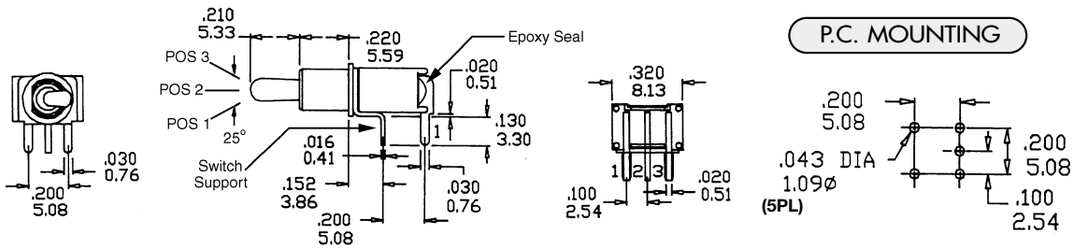
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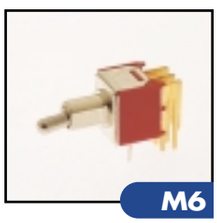
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SUB-MINIATURE TOGGLE SWITCHES

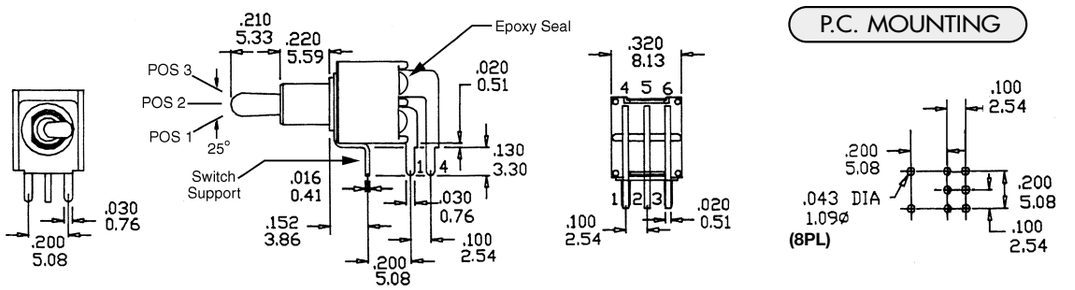


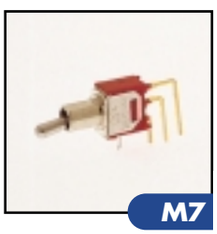
SPDT



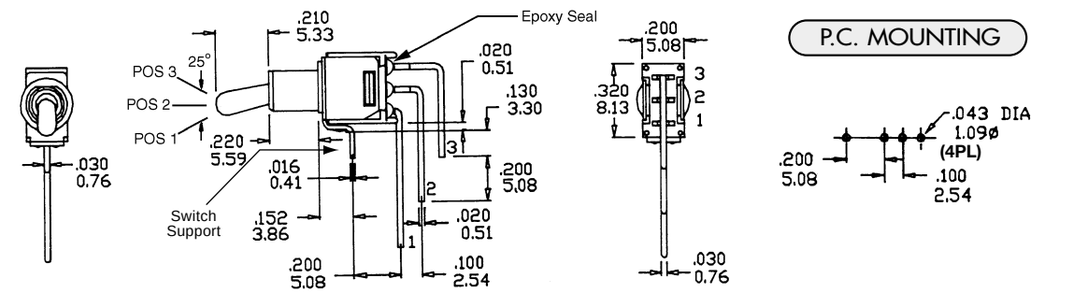


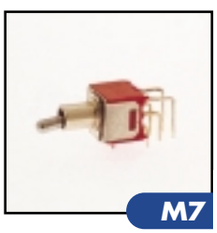
DPDT



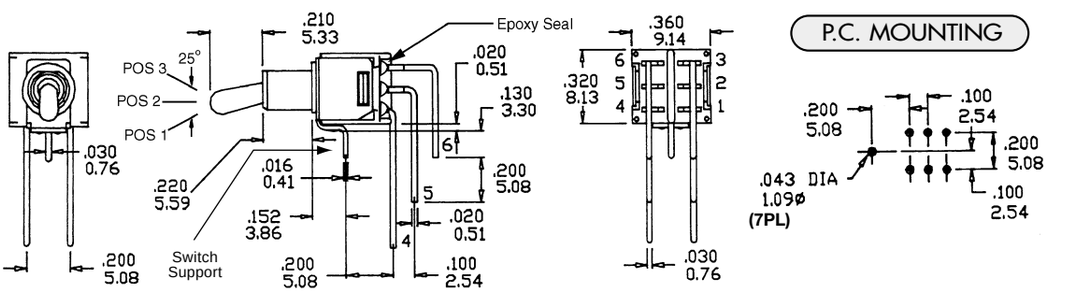


SPDT





DPDT



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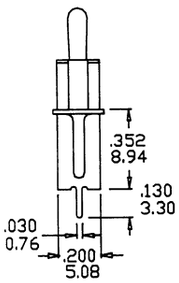
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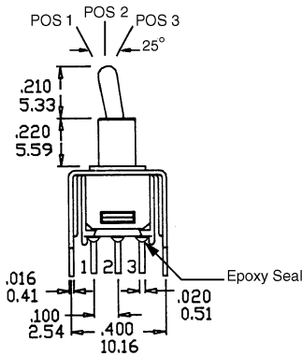
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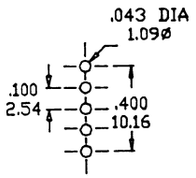
VS2

SPDT





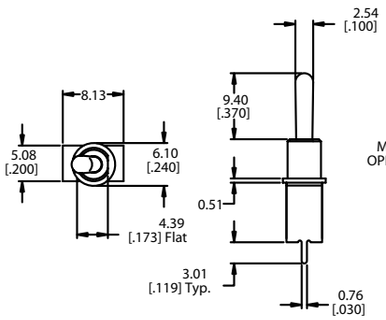
P.C. MOUNTING

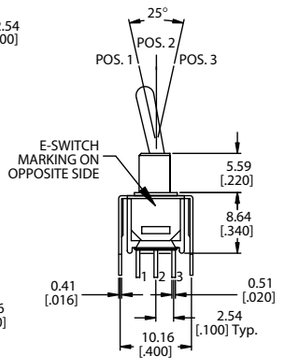




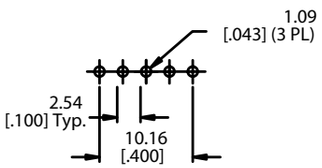
VS2

DPDT





P.C. MOUNTING



CONTACT MATERIAL OPTIONS

Q

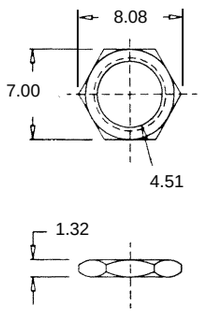
Fixed Terminal: Silver plated copper alloy
Moving Contact: Silver plated copper alloy
Rating: 3 Amps @ 120 VAC or 28 VDC; 1 Amp @ 250 VAC

R

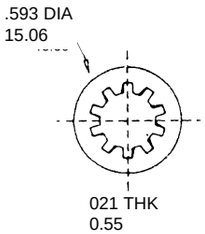
Fixed Terminal Copper alloy with gold plate over nickel plate
Moving Contact: Copper alloy with gold plate over nickel plate
Rating: 0.4 VA max. @ 20 VAC or DC max.

HARDWARE

HDW21 **Nut**



HDW21 **Lock Washer**



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