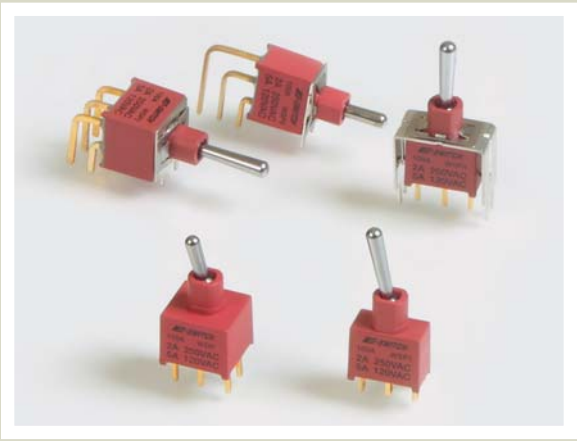
SERIES 100A SWITCHES

TOGGLE SWITCHES - MINIATURE



FEATURES & BENEFITS

- Variety of switching functions
- Miniature
- Multiple actuator & bushing options
- Sealed to IP67

APPLICATIONS/MARKETS

- Telecommunications
- Instrumentation
- Networking
- Medical equipment

SPECIFICATIONS

Contact Rating:	Dependent upon contact material
Life Expectancy:	30,000 make-and-break cycles at full load
Contact Resistance:	10 m□1max. typical initial @ 2-4 VDC 100 mA for both silver and gold plated contacts
Insulation Resistance:	1,000 M□1min.
Dielectric Strength:	1,000 V RMS @ sea level
Operating Temperature:	-30° C to 85° C

MATERIALS

Case & Bushing:	PBT
Pedestal of Case:	LPC
Actuator:	Brass, chrome plated with internal O-ring seal
Switch Support:	Brass or steel tin plated
Contacts / Terminals:	Silver or gold plated copper alloy

HOW TO ORDER

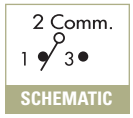
SERIES	MODEL NO.	ACTUATOR	BUSHING	TERMINATION	CONTACT MATERIAL	SEAL	HARDWARE
100A						E	
	WSP1 WSP2 WSP3 WSP4 WSP5 WDP1 WDP2 WDP3 WDP4 WDP5	T1 T2	B1 B4	M1 M2 M5 M6 M7 VS2 VS3	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal	H = Hardware

Example Ordering Number

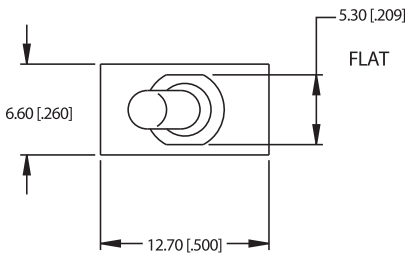
100A–WDP4–T1–B4–M1–R–E

Specifications subject to change without notice.

SPDT



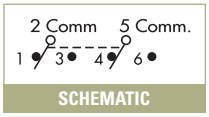
SCHEMATIC



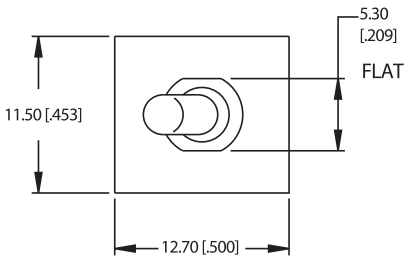
Model No.	POS 1	POS 2	POS 3
WSP-1	ON	NONE	ON
WSP-2	ON	NONE	(ON)
WSP-3	ON	OFF	ON
WSP-4	(ON)	OFF	(ON)
WSP-5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

( ) = Momentary

DPDT



SCHEMATIC

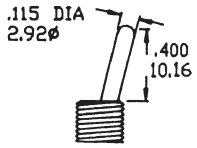


Model No.	POS 1	POS 2	POS 3
WDP-1	ON	NONE	ON
WDP-2	ON	NONE	(ON)
WDP-3	ON	OFF	ON
WDP-4	(ON)	OFF	(ON)
WDP-5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4

( ) = Momentary

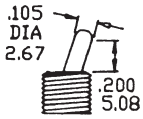
ACTUATOR OPTIONS

T1



T1 actuator std. when ordered with M1 termination.
Add 0.100 (2.54) for B4 bushing.

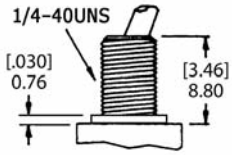
T2



T2 actuator std. when ordered with VS, M2, M6 or M7 terminations.
Add 0.100 (2.54) for B4 bushing.

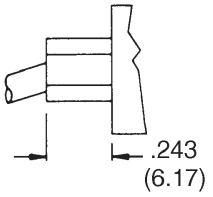
BUSHING OPTIONS

B1



Std for M1

B4



Std for M2, M6, M7, VS termination

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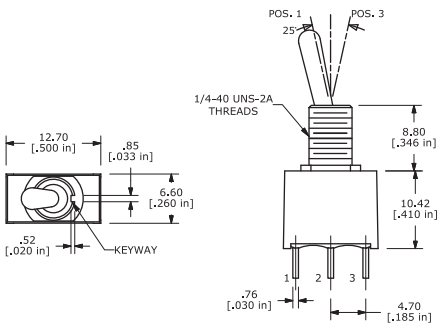
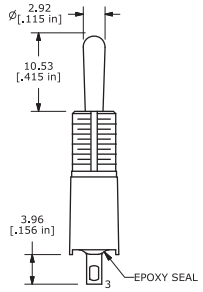
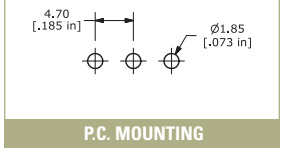
TERMINATION OPTIONS

M1

SPDT



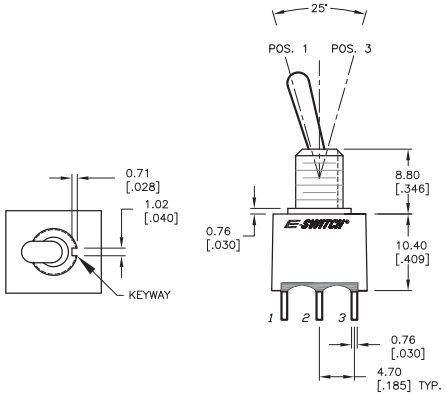


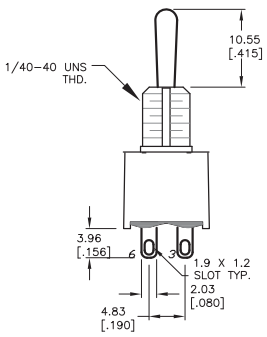


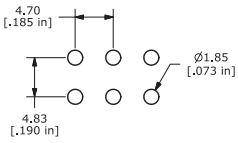
P.C. MOUNTING

M1

DPDT



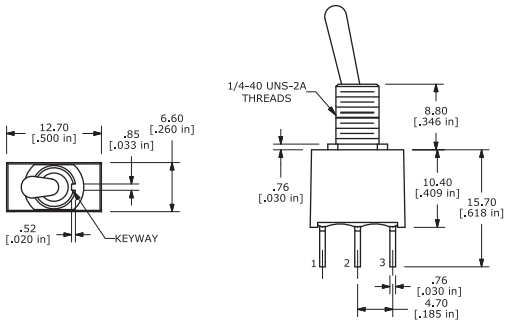


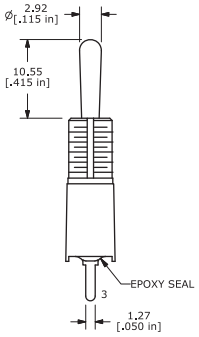


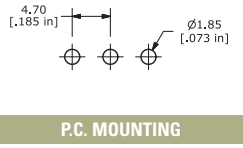
P.C. MOUNTING

M2

SPDT



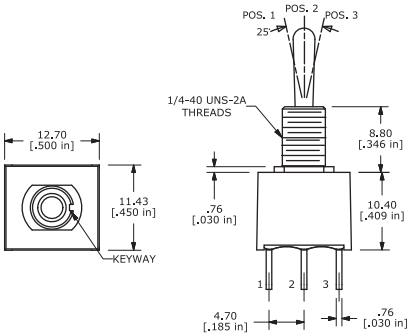


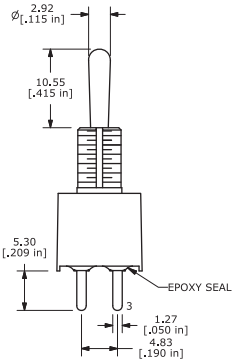


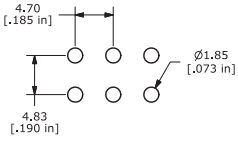
P.C. MOUNTING

M2

DPDT



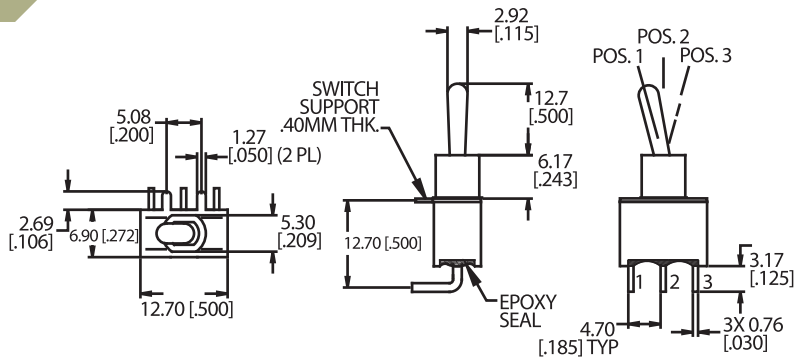


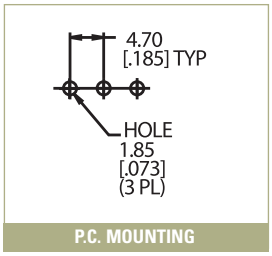


P.C. MOUNTING

M6

SPDT

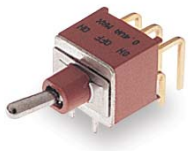


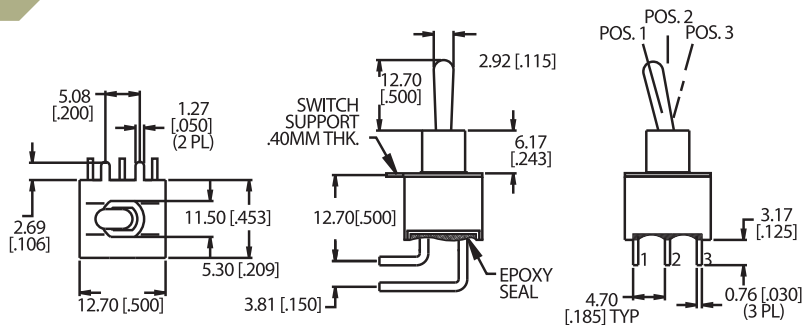


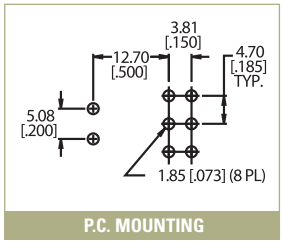
P.C. MOUNTING

M6

DPDT



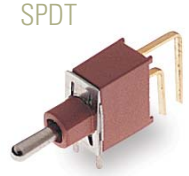


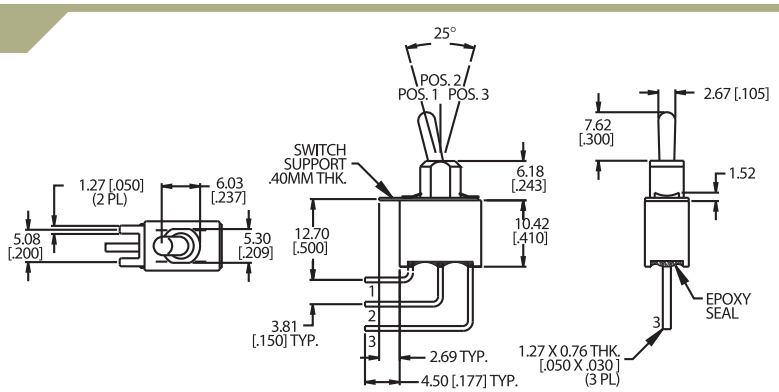


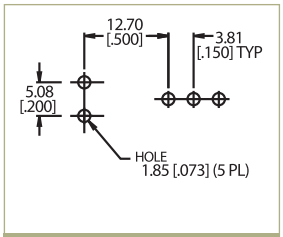
P.C. MOUNTING

M7

SPDT



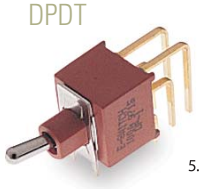


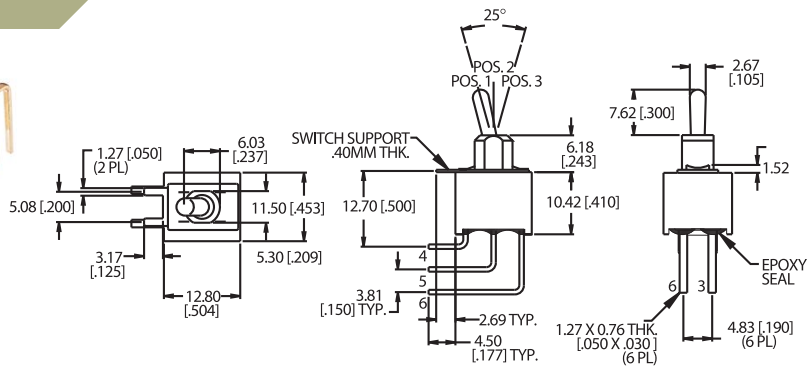


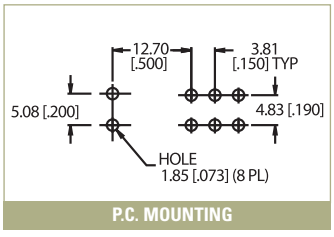
P.C. MOUNTING

M7

DPDT







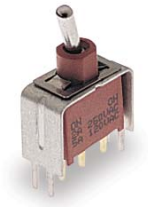
P.C. MOUNTING

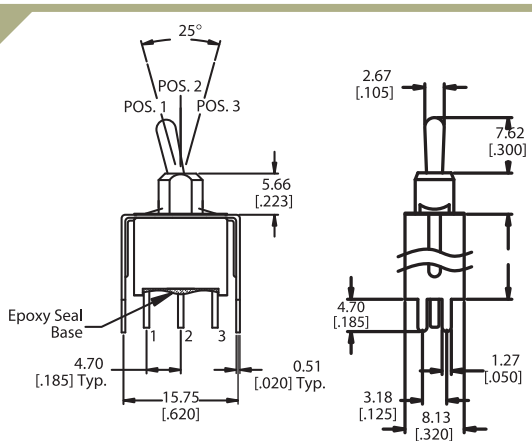
SERIES 100A SWITCHES

TOGGLE SWITCHES - MINIATURE

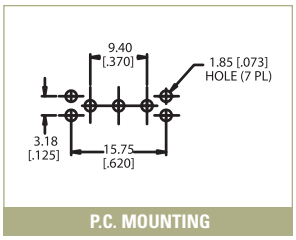
VS2-VS3

SPDT





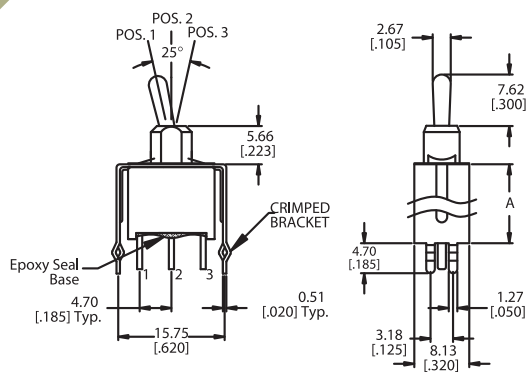
Option Code	Dim. 'A'
VS2	.460 (11.68)
VS3	.630 (16.00)



P.C. MOUNTING

VS2-VS3

DPDT



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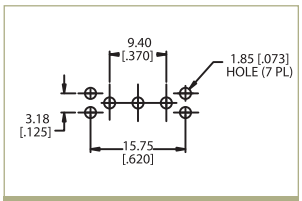


P.C. MOUNTING

CONTACT MATERIAL OPTIONS

Q

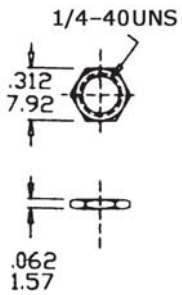
Fixed Terminal:	Gold flash over silver plated copper alloy
Moving Contact:	Silver plated copper alloy
Rating:	5 Amps with resistive load @ 120VAC or 28VDC; 2 Amps with resistive load @ 250VAC

R

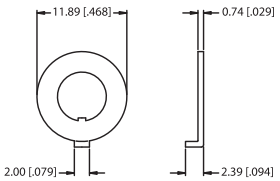
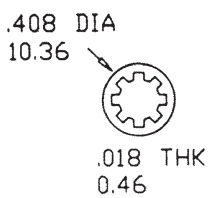
Fixed Terminal:	Copper alloy with gold plate over nickel plate
Moving Contact:	Copper alloy with gold plate overnickel plate
Rating:	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)

HARDWARE

HDW2 NUT



HDW15 LOCKING RING



HDW11 LOCK WASHER