

SERIES 100 SWITCHES

TOGGLE SWITCHES - MINIATURE



SPECIFICATIONS

Contact Rating:	See contact material options
Life Expectancy:	40,000 make-and-break cycles
Contact Resistance:	10 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)
Toggle Handle:	Brass, chrome plated
Switch Support:	Brass or steel, tin plated
Bushing:	Brass, nickel plated
Housing:	Stainless steel
Contacts / Terminals:	Silver or gold plated copper alloy

FEATURES & BENEFITS

- Up to 4 poles available
- Variety of switching functions
- Miniature
- Multiple actuator & bushing options

APPLICATIONS/MARKETS

- Telecommunications
- Instrumentation
- Networking
- Medical equipment

HOW TO ORDER

SERIES	MODEL NO.	ACTUATOR	BUSHING	TERMINATION	CONTACT MATERIAL	SEAL	HARDWARE
100	☐☐☐	☐☐	☐☐☐	☐☐☐☐	☐	E	☐
	SP1 SP2* SP3 SP4* SP5* DP1 DP2* DP3 DP4* DP5* DP6 DP7* DP8* 3P1 3P2* 3P3 3P4* 3P5* 4P1 4P2* 4P3 4P4* 4P5* 4P6 4P7* 4P8*	T1† T2 T3 T4 T5 T6 T7 T8 T9 K1 K2 † Optional Toggle Cap (T1 Only): T100-1 = White T100-2 = Black	B1 B2 B3 B4 B5 B6 B8 B9 B11 B12 B13 B15 B16 B25** B26**	M1 M2 M3 M5 M6 M61 M7 M71 VS2 VS3 VS5* M64* VS21* VS31*	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal	H = Hardware

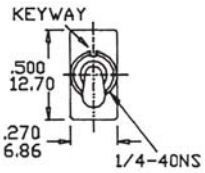
Notes: * Not available with the K1 and K2 actuator options.
** Available only with the K1 and K2 actuator options.

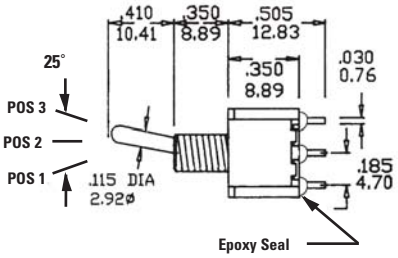
Example Ordering Number
100–SP1–T4–B2–M1–R–E

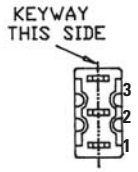
Specifications subject to change without notice.

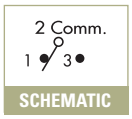
SPDT











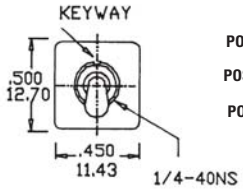
SCHEMATIC

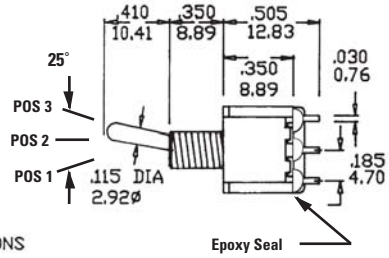
Model No.	POS 1	POS 2	POS 3
SP-1	ON	NONE	ON
SP-2	ON	NONE	(ON)
SP-3	ON	OFF	ON
SP-4	(ON)	OFF	(ON)
SP-5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

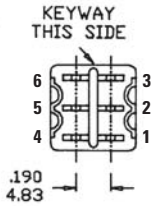
( ) = Momentary

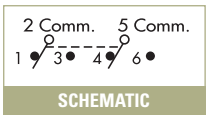
DPDT











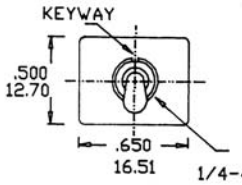
SCHEMATIC

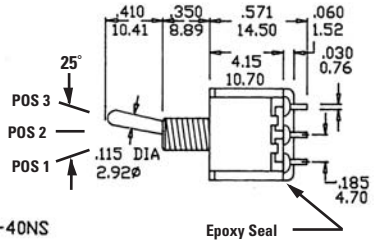
Model No.	POS 1	POS 2	POS 3
DP-1	ON	NONE	ON
DP-2	ON	NONE	(ON)
DP-3	ON	OFF	ON
DP-4	(ON)	OFF	(ON)
DP-5	ON	OFF	(ON)
DP-7	ON	ON	(ON)
DP-8	(ON)	ON	(ON)
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4
DP-6	ON	ON	ON
Term. Comm.	2-3, 5-6	2-3, 5-4	2-1, 5-4

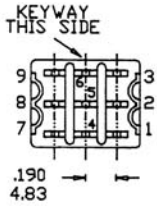
( ) = Momentary

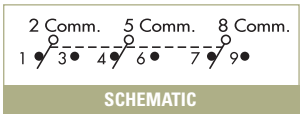
3PDT











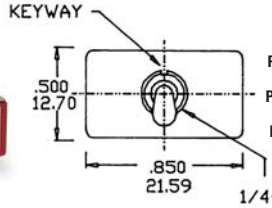
SCHEMATIC

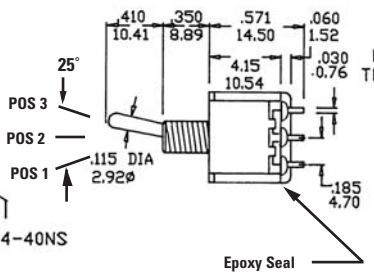
Model No.	POS 1	POS 2	POS 3
3P-1	ON	NONE	ON
3P-2	ON	NONE	(ON)
3P-3	ON	OFF	ON
3P-4	(ON)	OFF	(ON)
3P-5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6 8-9	OPEN	2-1, 5-4 8-7

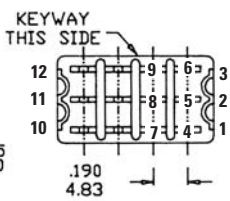
( ) = Momentary

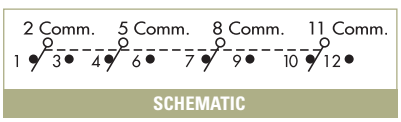
4PDT











SCHEMATIC

Model No.	POS 1	POS 2	POS 3
4P-1	ON	NONE	ON
4P-2	ON	NONE	(ON)
4P-3	ON	OFF	ON
4P-4	(ON)	OFF	(ON)
4P-5	ON	OFF	(ON)
4P-7	ON	ON	(ON)
4P-8	(ON)	ON	(ON)
Term. Comm.	2-3, 5-6 8-9 11-12	OPEN	2-1, 5-4 8-7 11-10
4P-6	ON	ON	ON
Term. Comm.	2-3, 5-6 8-9 11-12	2-3, 5-4 8-9 11-10	2-1, 5-4 8-7 11-10

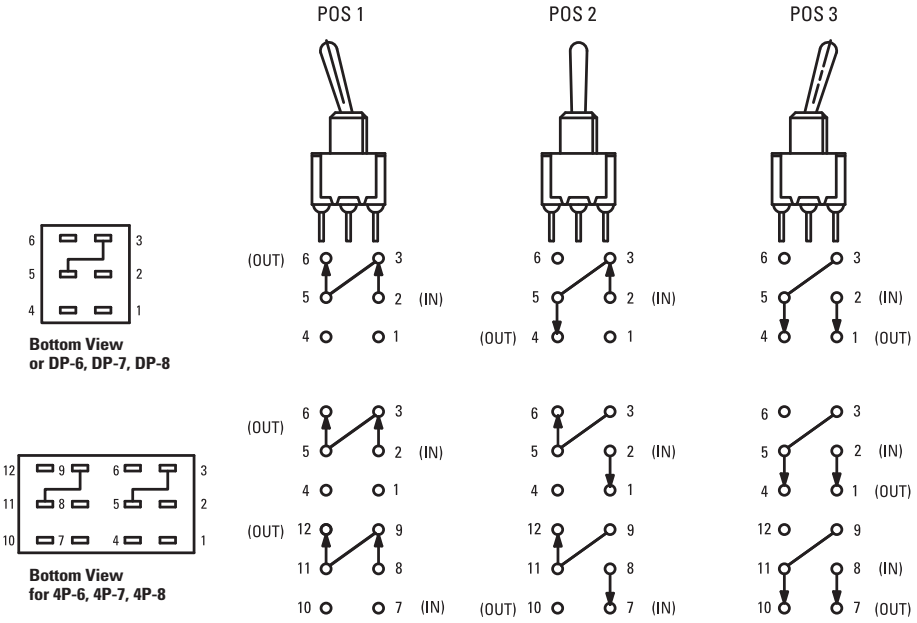
( ) = Momentary



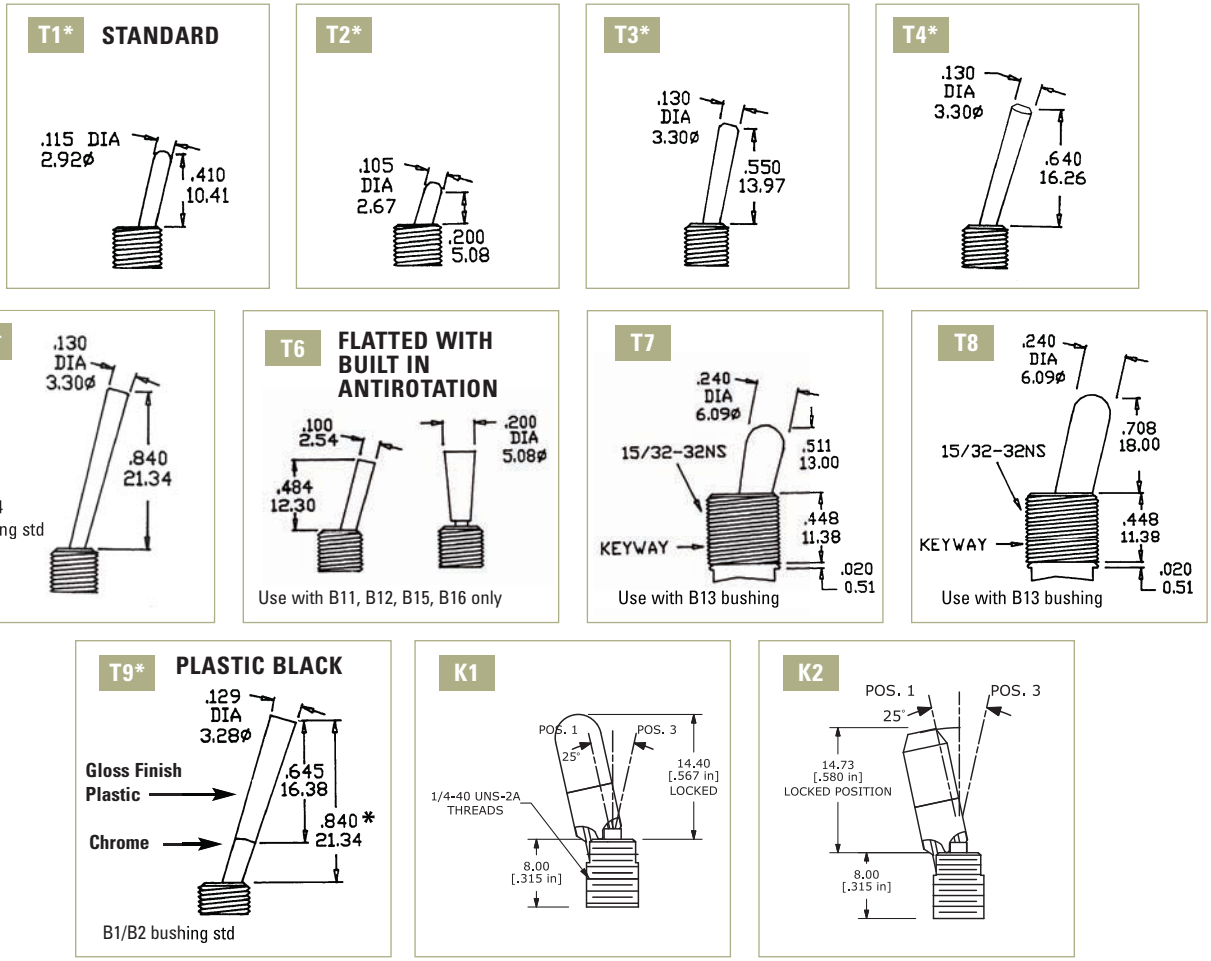
SERIES 100 SWITCHES

TOGGLE SWITCHES - MINIATURE

3 - WAY WIRING DIAGRAM SCHEMATICS



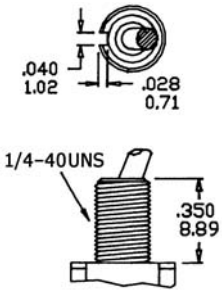
ACTUATOR OPTIONS



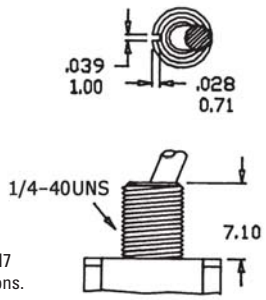
*Add .070 (1.78) for B3, B4 bushings, subtract .020 (0.51) for B6 bushing.

BUSHING OPTIONS

B1 THD STD
B2 NON-THD

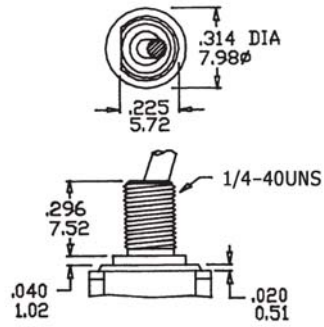


B3 THD STD
B4 NON-THD

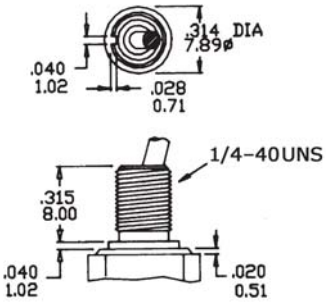


B4 is standard for M6, M7 and VS termination options.

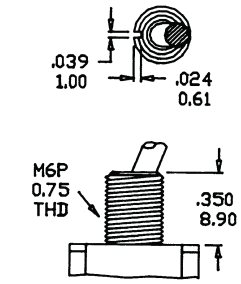
B5 HIGH TORQUE



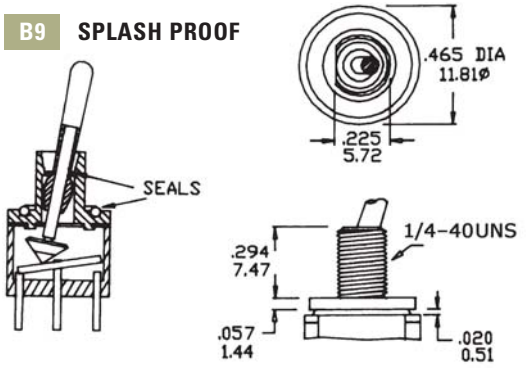
B6 HIGH TORQUE



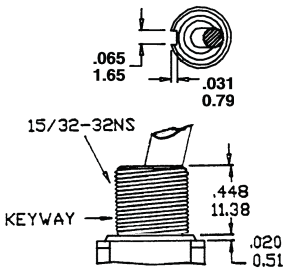
B8 METRIC THD



B9 SPLASH PROOF

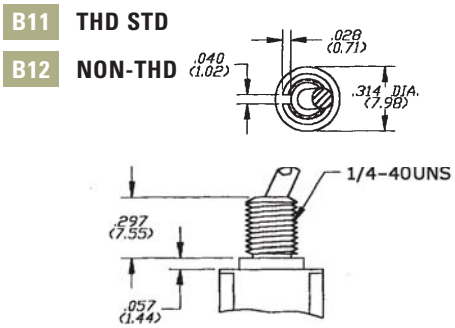


B13



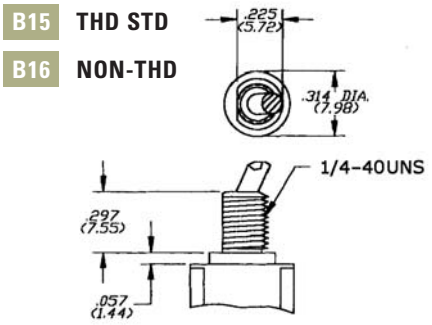
Use with T7 and T8 actuators only

B11 THD STD
B12 NON-THD



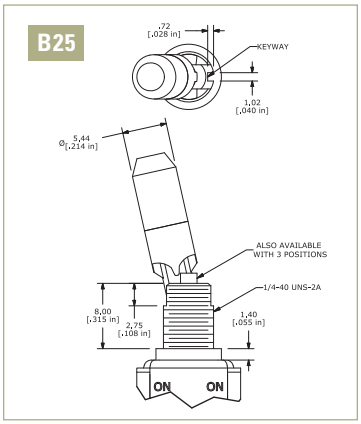
Use with T6 actuator only

B15 THD STD
B16 NON-THD

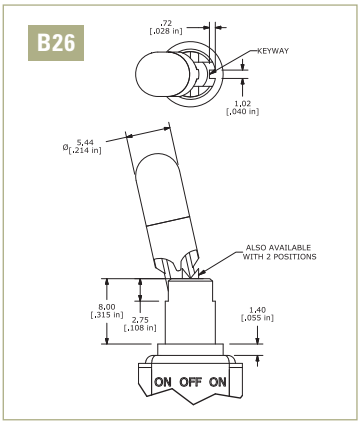


Use with T6 actuator only

B25



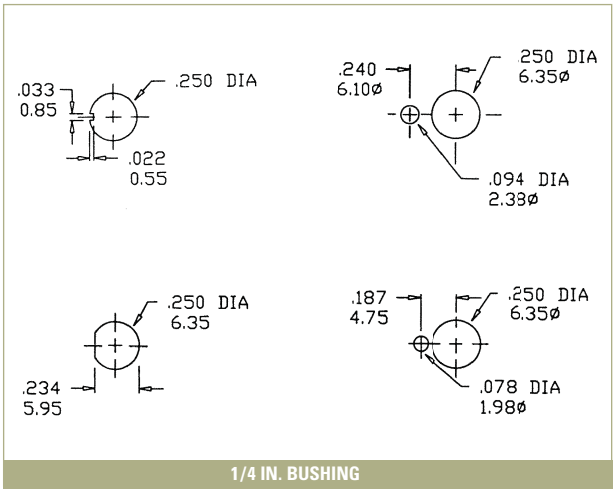
B26



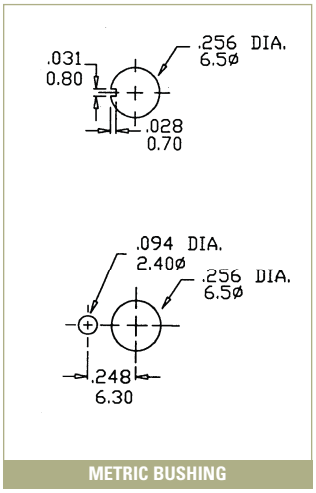
SERIES 100 SWITCHES

TOGGLE SWITCHES - MINIATURE

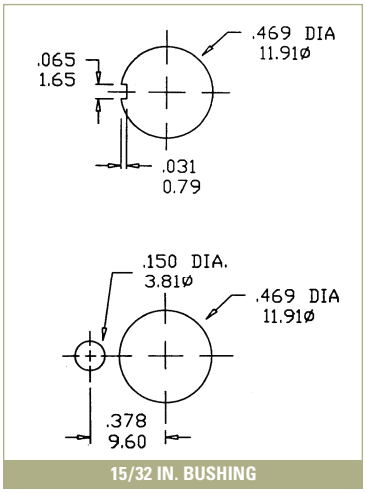
BUSHING OPTIONS - PANEL MOUNTING



1/4 IN. BUSHING



METRIC BUSHING



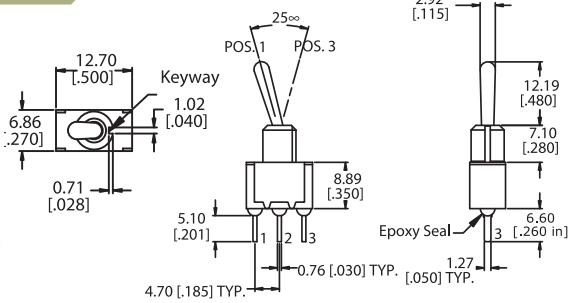
15/32 IN. BUSHING

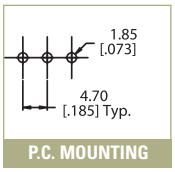
TERMINATION OPTIONS

M2

SPDT





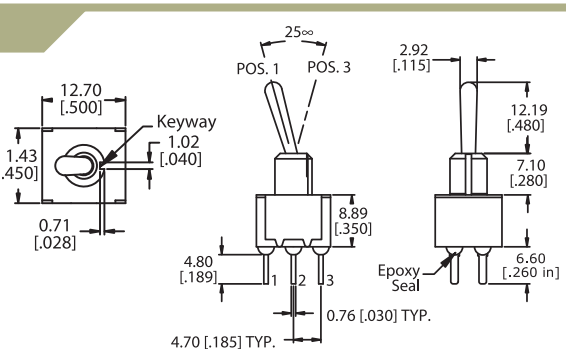


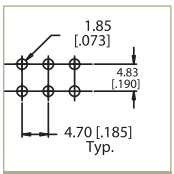
P.C. MOUNTING

M2

DPDT





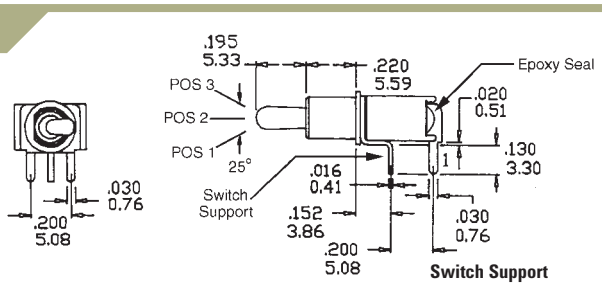


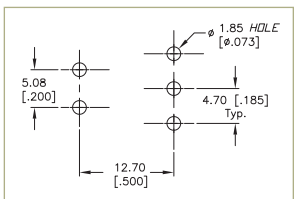
P.C. MOUNTING

M6

SPDT

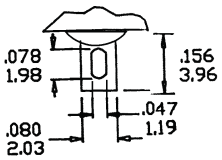






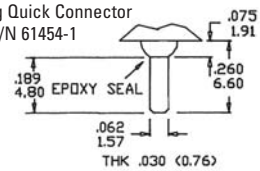
P.C. MOUNTING

M1 SOLDER LUG



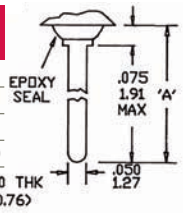
M3 QUICK CONNECT

Mating Quick Connector
Amp P/N 61454-1



M5 WIRE WRAP

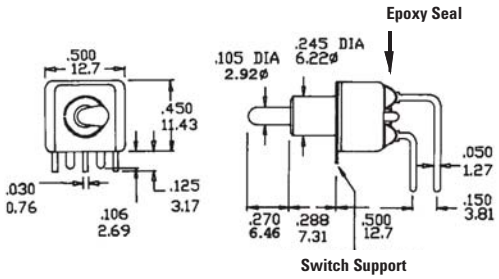
Option Code	Dim. 'A'
M51	.750 (18.7)
M52	.964 (24.48)
M53	.425 (10.80)
M54	1.062 (26.97)

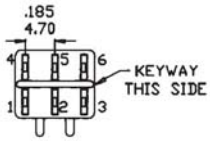


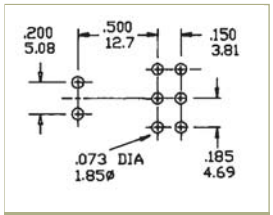
M6

DPDT







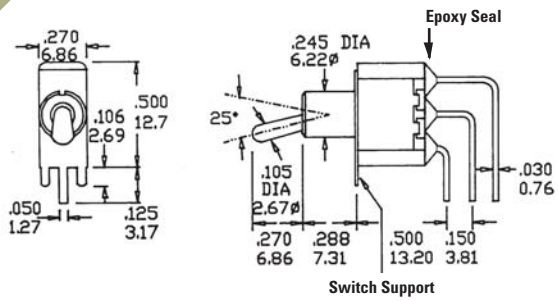


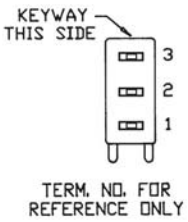
P.C. MOUNTING

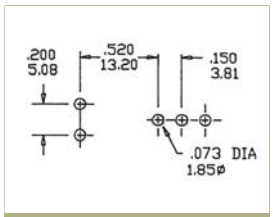
M7

SPDT







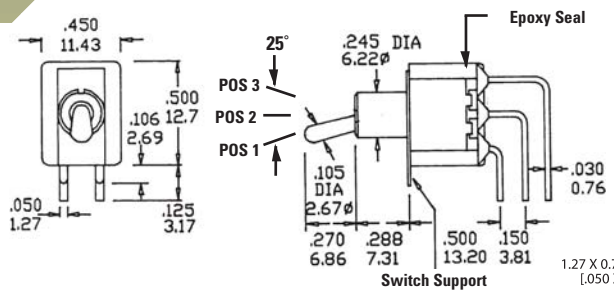


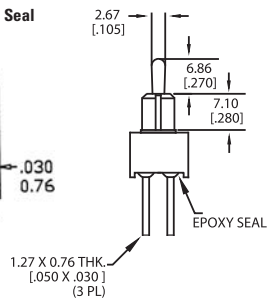
P.C. MOUNTING

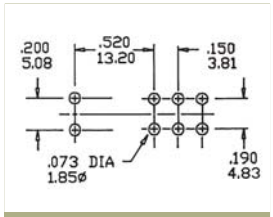
M7

DPDT







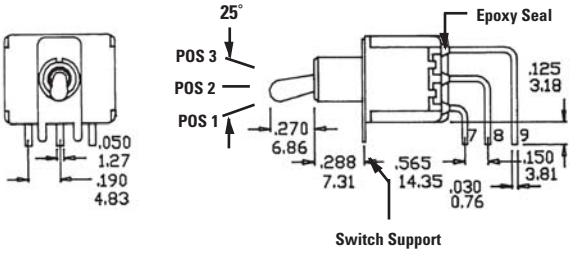


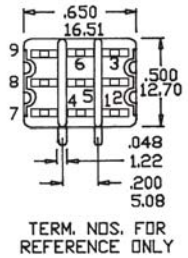
P.C. MOUNTING

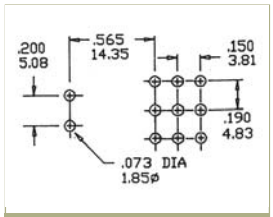
M7

3PDT







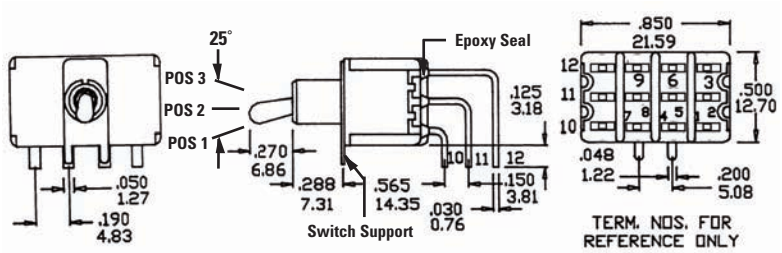


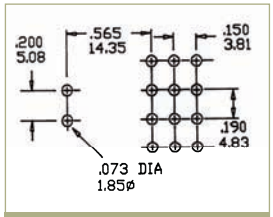
P.C. MOUNTING

M7

4PDT







P.C. MOUNTING

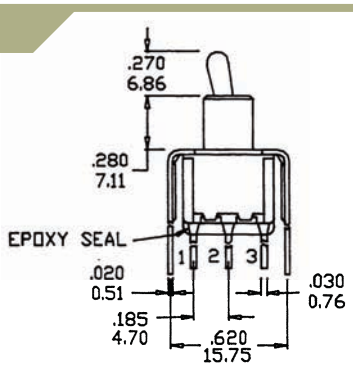
SERIES 100 SWITCHES

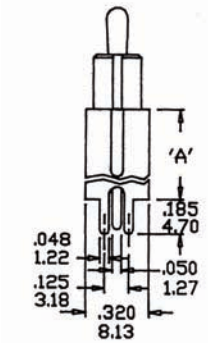
TOGGLE SWITCHES - MINIATURE

VS2-VS3

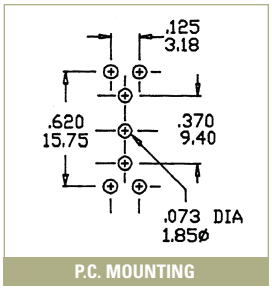
SPDT







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

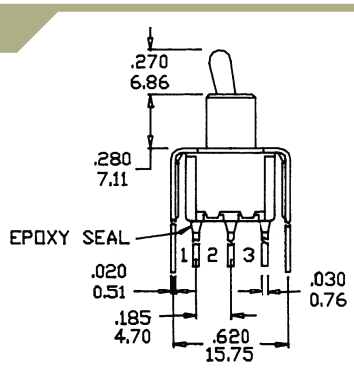


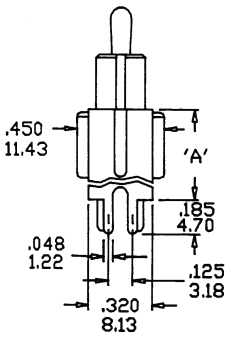
P.C. MOUNTING

VS2-VS3

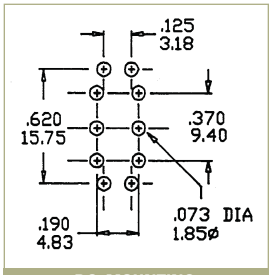
DPDT







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

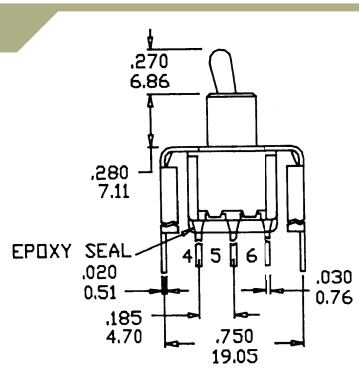


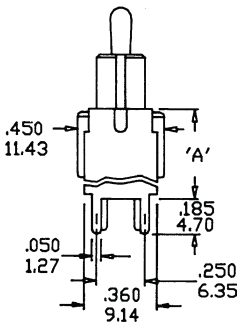
P.C. MOUNTING

VS5

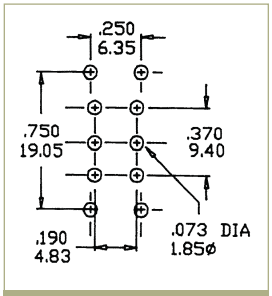
DPDT







Option Code	Dim. 'A'
VS5	.630 (16.00)

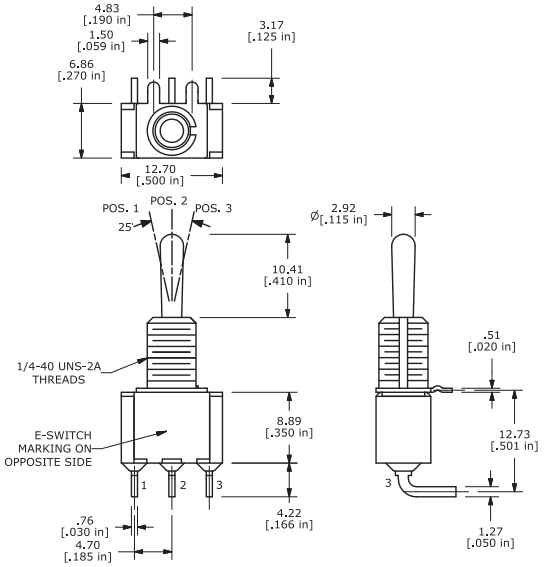


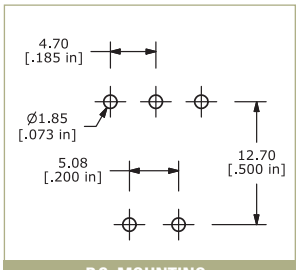
P.C. MOUNTING

M61

SPDT





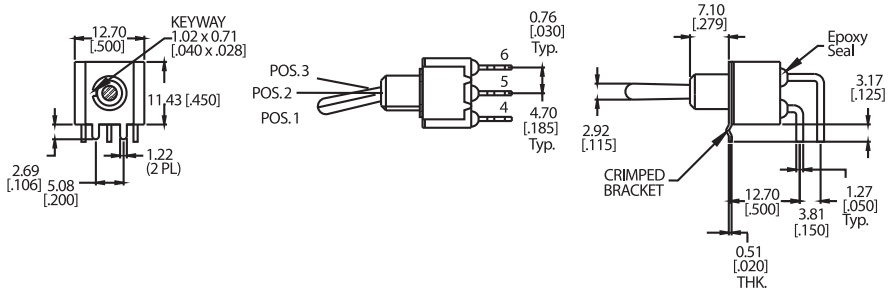


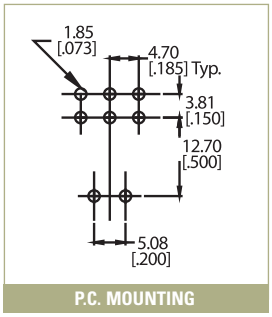
P.C. MOUNTING

M61

DPDT





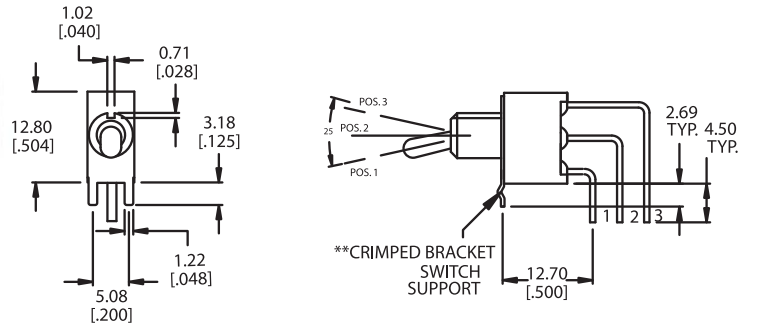


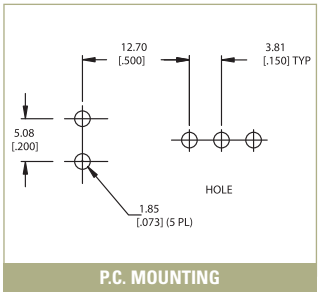
P.C. MOUNTING

M71

SPDT





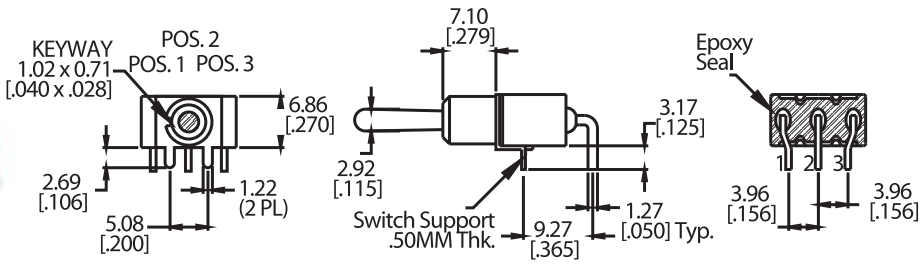


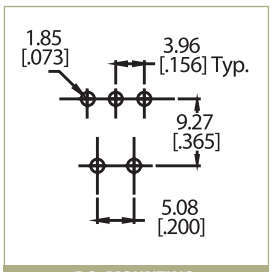
P.C. MOUNTING

M64

SPDT







P.C. MOUNTING



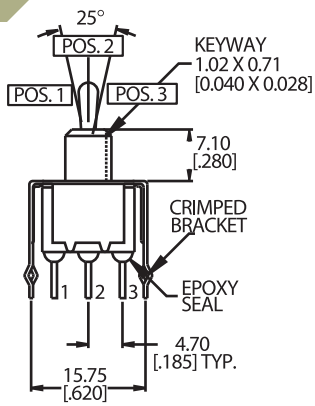
SERIES 100 SWITCHES

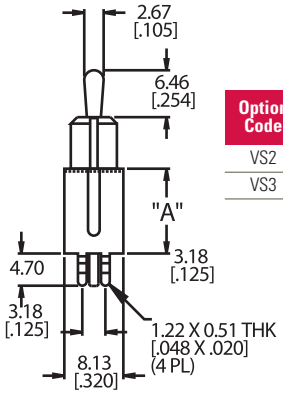
TOGGLE SWITCHES - MINIATURE

VS21-VS31

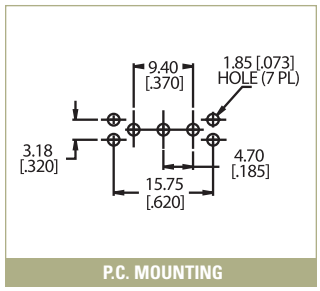
SPDT







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

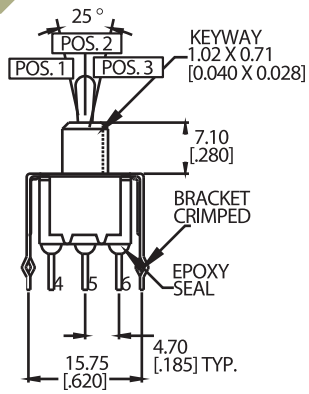


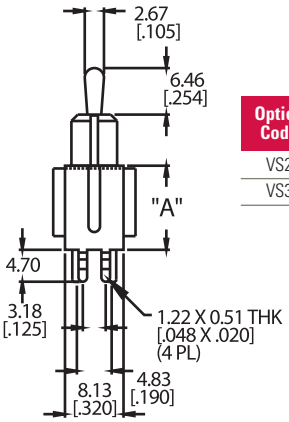
P.C. MOUNTING

VS21-VS31

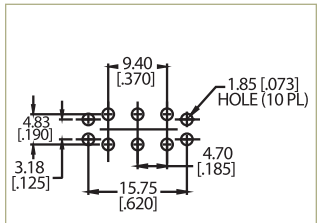
DPDT







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

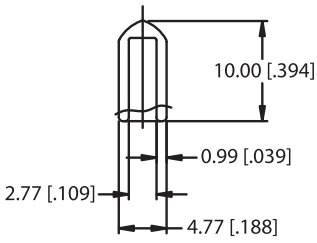


P.C. MOUNTING

OPTIONAL TOGGLE CAP



Use with T1
T100-1 WHITE
T100-2 BLACK



CONTACT MATERIAL OPTIONS

Q

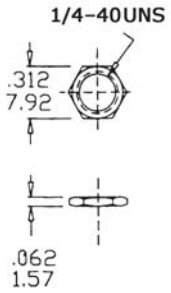
Fixed Terminal:	Silver plated over copper alloy
Moving Contact:	Silver plated over copper alloy
Rating:	5 Amps with resistive load @ 120VAC or 28VDC; 2 Amps with resistive load @ 250VAC

R

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

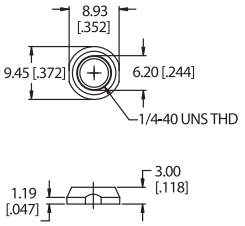
HARDWARE

HDW2 1/4 IN. NUTS

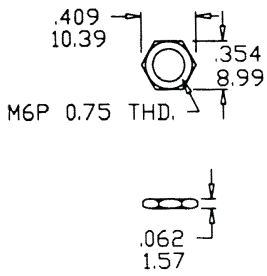


Supplied standard with
B1, B3, B5, B6 and B9 options

HDW3 BLIND DRESSNUT

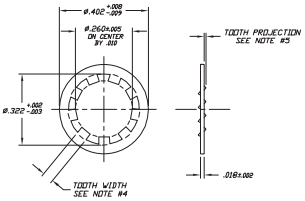


HDW6 METRIC NUT



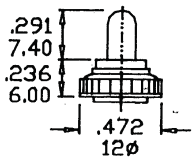
Supplied standard with B8
metric bushing

HDW11 LOCK WASHER



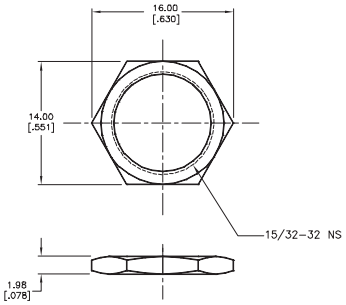
Supplied standard with B1/B3
bushing

Optional Rubber Hood Sealing E1



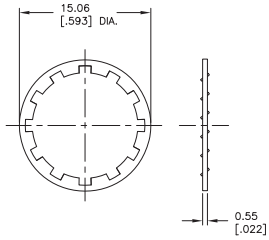
E1= Inch (Std.) for actuator T1, T2 and bushings
B1, B3, B5, B6 Optional rubber boot sealing

HDW4 15/32 IN. NUTS



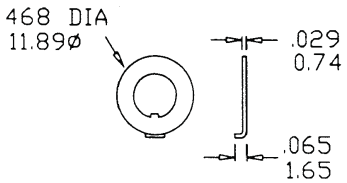
Supplied standard with B13 bushing

HDW12 LOCK WASHER



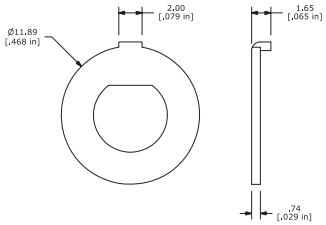
Supplied standard with B13 bushing

HDW15 LOCKING RING



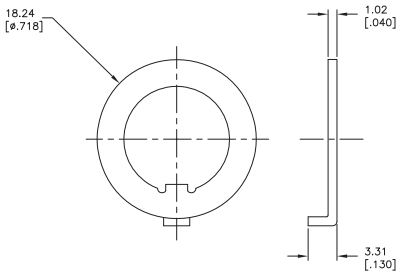
Supplied standard

HDW16 LOCKING RING



Supplied with B5 bushing

HDW17 LOCKING RING



Supplied with B13 bushing

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9