

SPECIFICATIONS

RATING: 10A250V, 15A 125V AC

MECHANICAL LIFE: ≥30,000 cycles

ELECTRICAL LIFE: ≥10,000 cycles

CONTACT RESISTANCE: < 20 mW(Initial)

INSULATION RESISTANCE: > 1,000MW@ 500V DC

DIELECTRIC STRENGTH: >1,500V AC 1 minute (Initial)
>3,000V between poles.

SAFETY STD. APPROVAL: UL, CSA, VDE, Semko, Nemko, Demko, Fimko

MATERIALS

BODY: Nylon 66 -- UL94 V-2

ROCKER: Nylon 66 -- UL94 V-2

CONTACT SURFACE: Coin silver, silver plated

TERMINAL: Silver plated copper alloy.

ILLUMINATED ROCKERS: Neon lamp or Incandescent bulb



HOW TO ORDER

Series	Circuit	Housing Color	Actuator Color	Marking	Termination	Lamp Voltage
R5						
	See Below	BLK=Black WHT=White	BLK=Black WHT=White RED=Red *YEL=Yellow *GRN=Green * Available for Illuminated Version Only	A B C E F G H I	F=Faston	0=No Lamp 1=125V AC ¹ 2=250V AC ¹ 3=12V DC ² ¹ Neon Bulb ² Incandescent Bulb
CIRCUIT CODE: A = DPST On-Off B = DPST On-Off Illuminated C = DPDT On-On D = DPDT On-Off-On						

Example:

R5 → B → BLK → YEL → E → F → 2

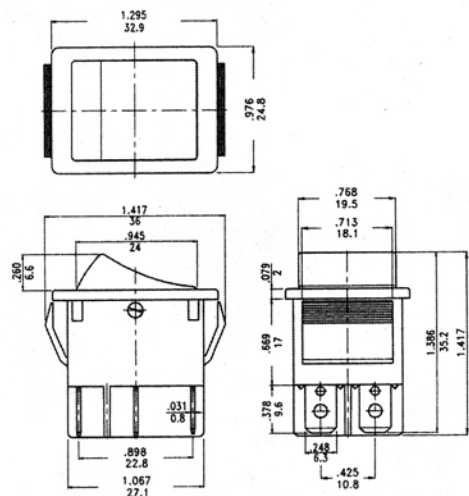
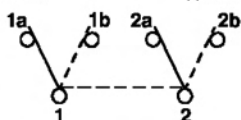
DPDT



Circuit Code	POS 1	POS 2	POS 3
A	ON	NONE	OFF
B	ON	NONE	OFF Illum.
C	ON	NONE	ON
D	ON	OFF	ON
Term. Comm.	1-1a, 2-2a	OPEN	1-1b, 2-2b

Schematic

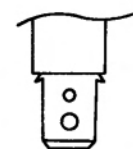
() = Momentary



PANEL MOUNTING

TERMINATION OPTIONS

F Faston



0.81 (.032) THK terminals designed for Quick Connect connectors available from AMP/Industries, Harrisburg, PA 17105. (Or equivalent).

MARKING OPTIONS



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



SPECIFICATIONS

RATING: 10A250V, 15A 125V AC
MECHANICALLIFE: ≥30,000 cycles
ELECTRICALLIFE: ≥10,000 cycles
CONTACT RESISTANCE: < 20 mW(Initial)
INSULATION RESISTANCE: > 1,000MW @ 500V DC
DIELECTRIC STRENGTH: >1,500V AC 1 minute (Initial)
 >3,000V between poles.
SAFETY STD. APPROVAL: UL, CSA, VDE, Semko, Nemko, Demko, Fimko

MATERIALS

BODY: Nylon 66 -- UL94 V-2
ROCKER: Nylon 66 -- UL94 V-2
CONTACT SURFACE: Alloy contact point
TERMINAL: Silver plated copper alloy.
ILLUMINATED ROCKERS: Neon lamp or Incandescent bulb



HOW TO ORDER

Series	Circuit	Housing Color	Actuator Color	Marking	Termination	Lamp Voltage
R4						

See Below

BLK=Black
WHT=White

BLK=Black
WHT=White
RED=Red

*YEL=Yellow
*GRN=Green

*Available for
Illuminated Version
Only

A
B
C
E
F
G
H
I

F=Faston

0=No Lamp
1=125V AC¹
2=250V AC¹
3=12V DC²
4=24V DC²

¹Neon Bulb
²Incandescent Bulb

CIRCUIT CODE:

A = SPST On-Off
 B = SPST On-Off Illuminated
 C = SPDT On-On
 D = SPDT On-Off-On
 E = SPDT On-(On)
 F = SPST (On)-Off
 G = SPDT (On)-Off-(On)
 H = SPDT On-None-(Off)
 I = SPDT On-Off-(On)

Example:

R4 → B → BLK → YEL → E → F → 2

SPST



Non-Illuminated Schematic

Circuit Code	POS 1	POS 2
A	ON	OFF
B	ON	(OFF) Illum.
F	(ON)	OFF
Term. Comm.	1-1a	OPEN

() = Momentary



Illuminated Schematic
(Circuit Code 'B')



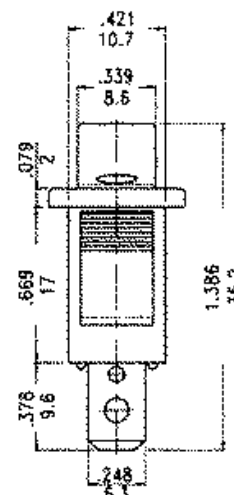
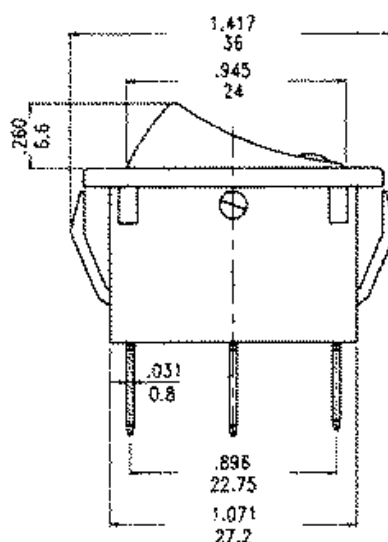
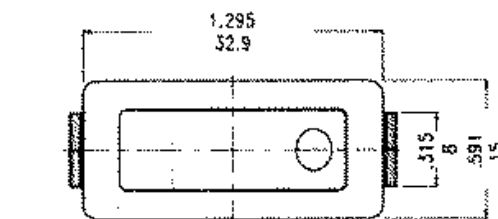
SPDT



Circuit Code	POS 1	POS 2	POS 3
C	ON	NONE	ON
D	ON	OFF	ON
E	ON	NONE	(ON)
G	(ON)	OFF	(ON)
H	ON	NONE	(OFF)
I	ON	OFF	(ON)
Term. Comm.	1-1a	OPEN	1-1b

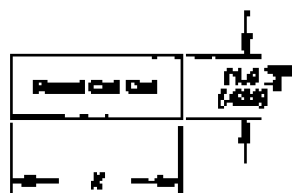
Schematic

() = Momentary



NOTE: Illumination not available for SPDT versions.

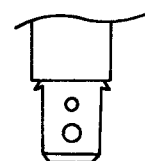
PANEL MOUNTING



Panel Thickness	'X' Dim.
.75 - 1.25 (.030)-(.049)	30.0 (1.18)
1.25 - 2.00 (.049)-(.079)	30.2 (1.19)
2.00 - 3.00 (.079)-(.118)	30.6 (1.20)

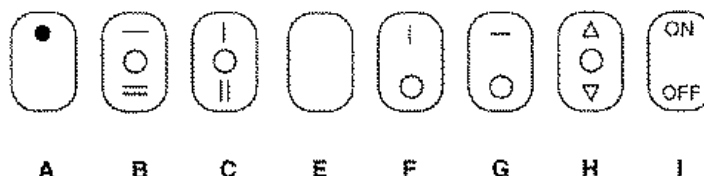
TERMINATION OPTIONS

F Faston



0.81 (.032) THK terminals designed for Quick Connect connectors available from AMP Industries, Harrisburg, PA 17105. (Or equivalent).

MARKING OPTIONS



A B C E F G H I

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

2
S
W
I
T
C
H
E
S
&
K
N
O
B
S



SPECIFICATIONS

RATING: 15A125V, 6A 250VAC
MECHANICAL LIFE: 15000 cycles
ELECTRICAL LIFE: 10000 cycles
CONTACT RESISTANCE: < 20 mW
INSULATION RESISTANCE: > 1000 MW
DIELECTRIC STRENGTHS: > 1500 volts 1 minute
 > 3000 volts between poles
SAFETY STANDARD APPROVAL: UL, CSA, VDE, NEMKO
 SEMKO, FIMKO, DEMKO

MATERIALS

BODY: Nylon 66
ROCKER: Polycarbonate
TERMINAL: Silver plated copper alloy
CONTACT: Coin silver, silver plated



HOW TO ORDER

Series	Circuit	Housing Color	Actuator Color	Marking	Termination	LED Color
R1966						
	See Below	BLK=Black WHT=White GRY=Grey	BLK=Black WHT=White GRY=Grey RED=Red	A B C D E F G H I J K L	F=Faston S=Solder Lug P=PC Pin R=Rt. Angle PC Pin	(R1966 "A" Circuit Only) RED=Red YEL=Yellow GRN=Green (See Next Page For Description)

CIRCUIT CODE:

A = SPST On-Off
 C = SPDT On-On
 D = SPDT On-Off-On
 E = SPST On-(Off)
 F = SPST (On)-Off
 G = SPDT On-(On)
 H = SPDT On-Off-(On)
 I = SPDT (On)-Off-(On)

() = Momentary

(See Next Page For Description)

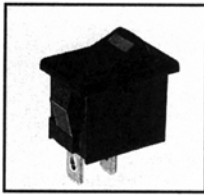
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Example:

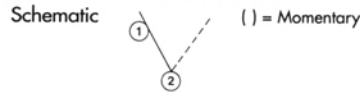
R1966 → A → BLK → BLK → A → F → YEL

SERIES R1966

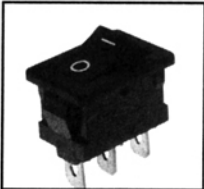
SPST



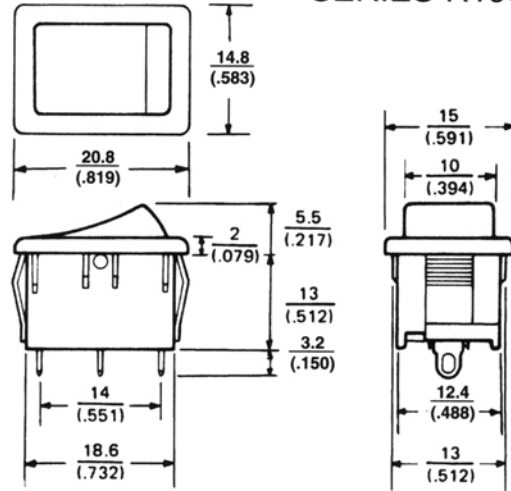
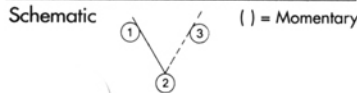
Circuit Code	POS 1	POS 2
A	ON	OFF
E	ON	(OFF)
F	(ON)	OFF
Term. Comm.	2-1	OPEN



SPDT

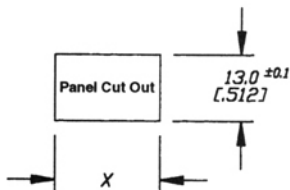


Circuit Code	POS 1	POS 2	POS 3
C	ON	NONE	ON
D	ON	OFF	ON
G	ON	NONE	(ON)
H	ON	OFF	(ON)
I	(ON)	OFF	(ON)
Term.	2-1	OPEN	2-3



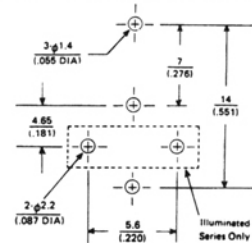
LED Color	Forward Volt. Typ. (V _{FD})	Rated Current (I _L LED)	Reverse Breakdown (V _R)	Intensity Lum. Typ. (M _{CD})	Recommended Resistor @ Voltage		
RED = Red	2.0V	20mA	5V	4.0mcd	5V	12V	24V
GRN = Green	2.2V	20mA	5V	4.0mcd	150	510	1.2K
YEL = Yellow	2.1V	20mA	5V	4.0mcd	150	510	1.2K

PANEL MOUNTING

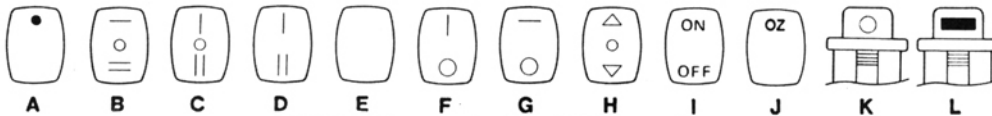


Panel Thickness	'X' Dim.
.75 - 1.25 (.030) - (.049)	19.2 (.756)
1.25 - 2.00 (.049) - (.079)	19.4 (.764)
2.00 - 3.00 (.079) - (.118)	19.8 (.780)

P.C. MOUNTING



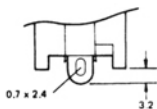
MARKING OPTIONS



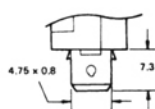
* 'E' Marking standard for all LED versions.

TERMINATION OPTIONS

S Solder Lug



F Faston

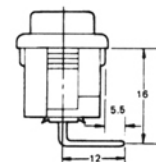


0.81 (.032) THK terminals designed for Quick Connect connectors available from AMP Industries, Harrisburg, PA 17105. (Or equivalent).

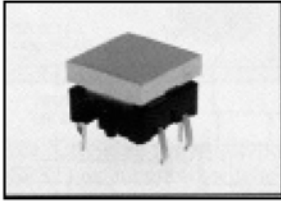
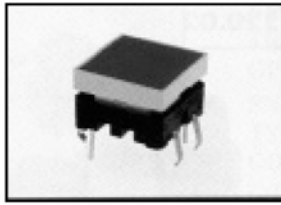
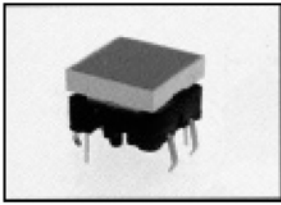
P PC Pin



R Right Angle PC Pin



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.


SPECIFICATIONS
CIRCUIT: SPST

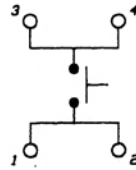
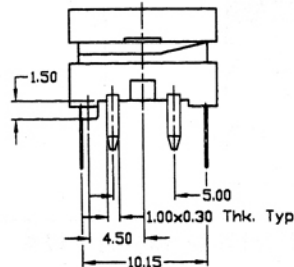
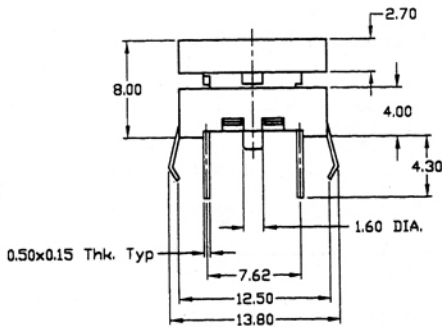
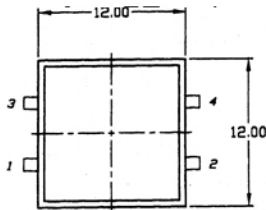
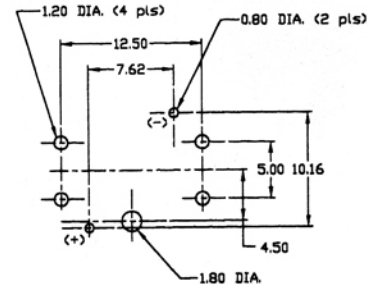
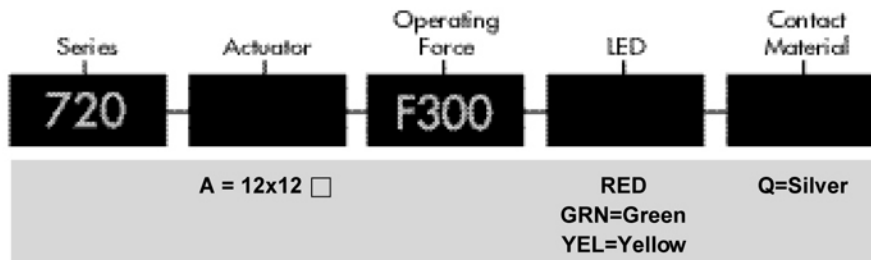
CONTACT RESISTANCE: 100mΩ

ACTUATION FORCE: 300 gf

RATING: 50mA @ 12VDC

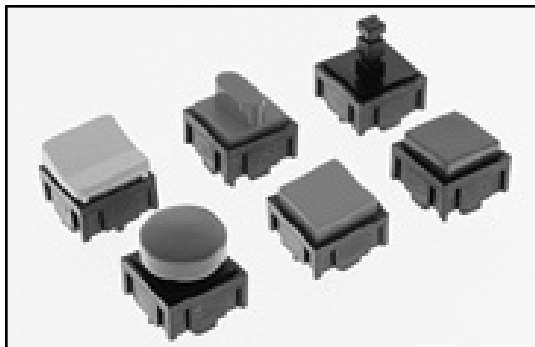
OPERATING LIFE: ≥ 100,000 Cycles

LED: 4.2V @ 15mA

Contact Configuration

P.C. Mounting

HOW TO ORDER


Example: 720 → A → F300 → RED → Q

SPECIFICATIONS SUBJECT TO



The 320 Series switches are being used in a variety of applications for a great number of industries. Available features include:

- Tactile feel push buttons... for a distinctive difference
- Choice of contact design ... for SPST, SPDT
- Flexibility of layout.. .for single key or keyboard construction
- .1≤ installation grid ... for standardization of layout

SPECIFICATIONS

VOLTAGE RATING: 50V DC
CURRENT RATING: 25mA
INITIAL RESISTANCE: 50 mΩ after 1 x 10⁵ cycles at maximum.
LIFE AT MAXIMUM SWITCHING LOAD: 1,000,000 cycles
TRAVEL: .7mm (.028")
OPERATING FORCE: 120 gf
OPERATING TEMPERATURE RANGE: HRF -25° to + 75°C
CIRCUIT: SPDT, SPST
SNAP TIME: Closing < 50µs, Opening < 200µs
FUNCTIONS AVAILABLE: Momentary, Non-Shorting (BBM)

MATERIALS

HOUSING: PC-CF
KNOB: ABS or equivalent
MOVING CONTACT: CrNi Au
FIXED CONTACT: Silver plated copper alloy

HOW TO ORDER

Cap Style	Circuit	Additional Cap (fits Over Cap Styles 320.02 & 320.03 Only)	Cap Color
320 320.01 320.02 320.03 320.04 320.22 320.08* 320.09* 320.094*	E1-1 (SPST) U1-1 (SPDT)	(None if no additional cap necessary) TAA TAB TAC TAD TAE TAG TAK TAL TAM TA12 TA2800	See Charts Next Page For Color Availability

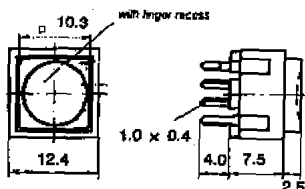
*Assembled Using the 320.02 plungered cap.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

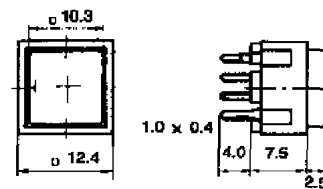
Example:

320.03 → U1-1 → TAL/GRY
 320.08 → E1-1 → YEL

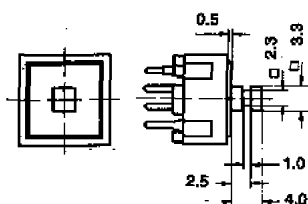
320



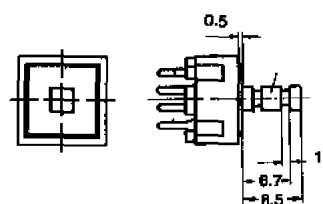
320.01



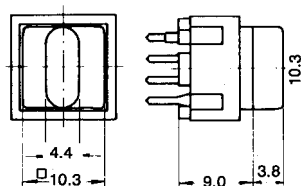
320.02



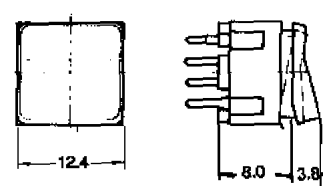
320.03



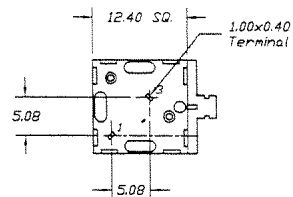
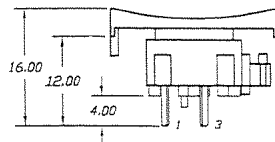
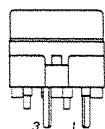
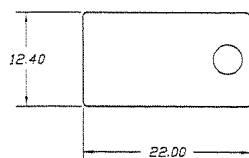
320.04



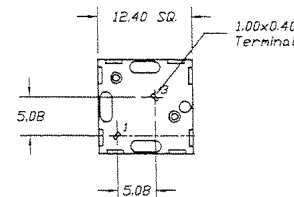
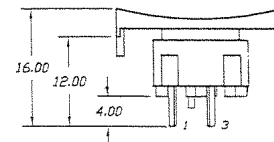
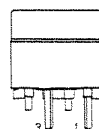
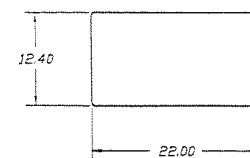
320.22



320.2



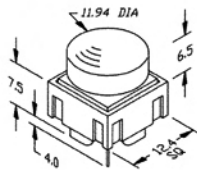
320.21



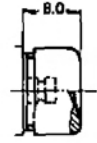
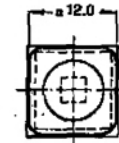
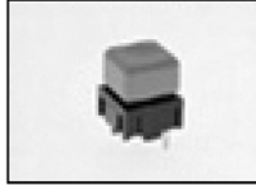
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SNAP ON CAPS FOR 320.02 PLUNGER

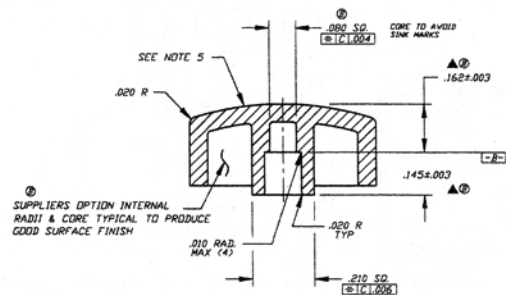
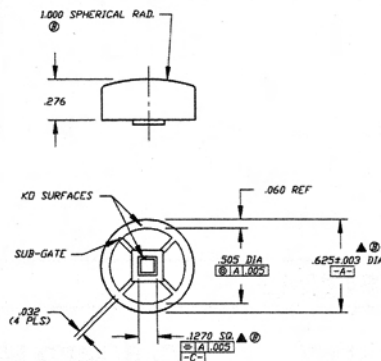
320.08



320.094



320.09



TA STYLE CAPS

320.02 w/TAG



320.02 w/TA12

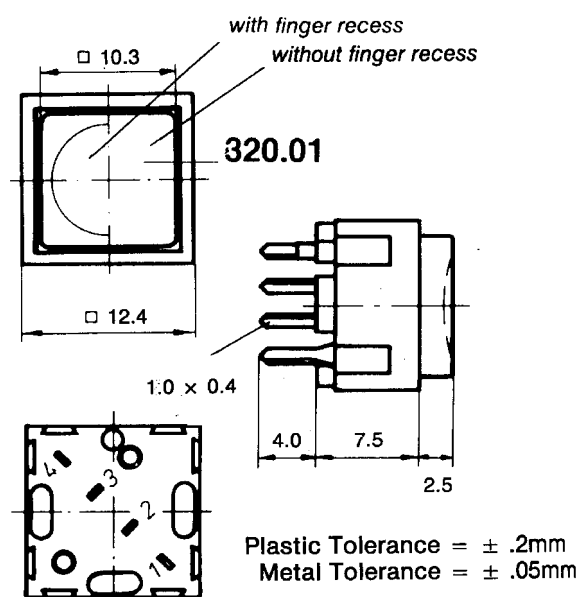


Other TA Caps

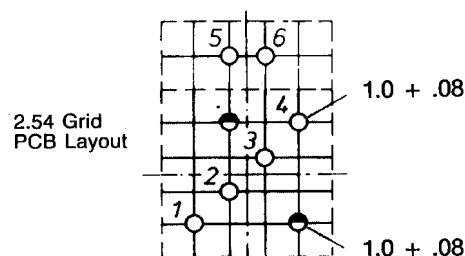
		
	TAG	TAA
		
TAE	TAM	TAB
		
TA2800	TA12	TAC
		
TAL	TAK	TAD

TA Style caps are designed to fit over the 320.02 and 320.03 plunger.

DIMENSION SCHEMATIC



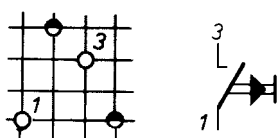
PCB LAYOUT



CIRCUIT STYLES

E1-1

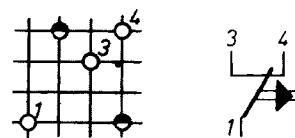
P.C. BOARD LAYOUT



Momentary
Single Pole Single Throw

U1-1

P.C. BOARD LAYOUT



Momentary
Single Pole Double Throw

CAP COLOR AVAILABILITY

320 STYLE CAPS

Cap Style	Color Availability						
	Black BLK	Grey GRY	Yellow YEL	Blue BLU	Red	Green GRN	White WHT
320	X	X	X	X	X	X	X
320.01	X	X	X	X	X	X	X
320.02	X						
320.03	X						
320.04	X	X	X	X	X	X	X
320.22	X	X	X	X	X	X	X
320.08	X	X	X	X	X	X	X
320.09	X	X	X	X	X	X	X
320.094	X	X					

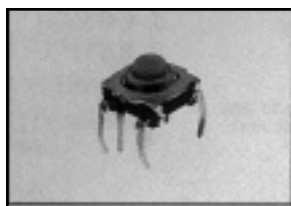
TA STYLE CAPS

Cap Style	Color Availability					
	Black BLK	Grey GRY	White WHT	Blue BLU	Red	Chrome CHR
TAA	X	X	X		X	
TAB	X	X	X		X	X
TAC	X	X	X		X	
TAD	X	X	X		X	
TAE	X	X	X		X	
TAG	X	X	X		X	X
TAK	X	X				
TAL	X	X				
TAM	X	X	X			
TA12	X	X	X	X	X	X
TA2800	X				X	

* Minimum orders may apply.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

* Minimum orders may apply.



Process Sealed

- Withstand typical wave soldering and cleaning processes (UL94-V0 materials)
- Supplied in tube for auto insertion (TBA per tube)

SPECIFICATIONS

RATING: 30mA @ 12V DC

ELECTRICAL/MECHANICAL LIFE:

1,000,000 make and break cycle at full load

CONTACT RESISTANCE: 50 mW typical

DIELECTRIC STRENGTH: 300V RMS min. at sea level

INSULATION RESISTANCE:

100MW(min.) between adjacent contacts

CONTACT BOUNCE: 1 ms

OPERATING FORCE: 130 ± 40 gf

TRAVEL TO MAKE: 0.3mm +0.04/-0.00 mm

OPERATING TEMPERATURE: -40° C to +85° C

CIRCUIT: SPST

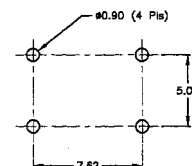
HOW TO ORDER

Series	Model No.	Actuator Length	Operating Force	Contact Material	Termination
GS	E = Grounding	L = 4.70	F130	Q=Silver	P = PC

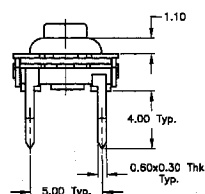
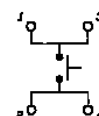
GS



PC Mounting



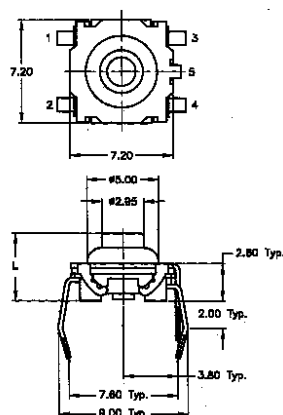
Circuit Configuration



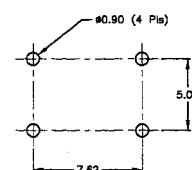
GSE



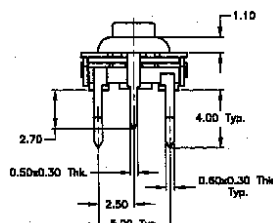
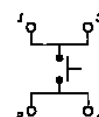
EARTH GROUND



PC Mounting



Circuit Configuration



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

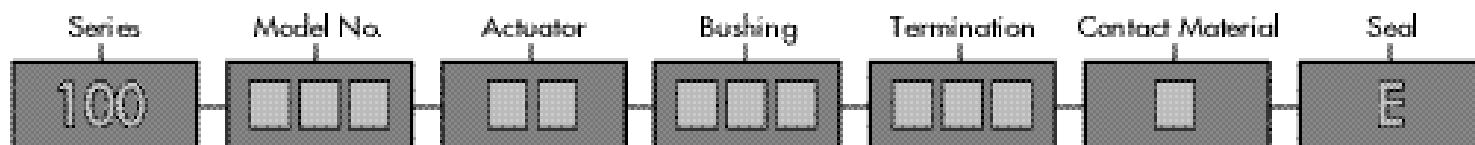
SPECIFICATIONS

CONTACT RATING: Dependent upon contact material.
ELECTRICAL LIFE: 50,000 make-and-break cycles at full load.
CONTACT RESISTANCE: 10 mWmax. initial @ 2-4 VDC
 100 mA for both silver and gold plated contacts.
INSULATION RESISTANCE: 1,000 MWmin.
DIELECTRIC STRENGTH: 1000 V RMS @ sea level.
OPERATING TEMPERATURE: -30° C to 85° C

MATERIALS

CASE: Diallyl phthalate (DAP)
TOGGLE HANDLE: Brass, chrome plated
BUSHING: Brass, nickel plated
HOUSING: Stainless steel
CONTACTS/TERMINALS: Silver or gold plated copper alloy.

HOW TO ORDER

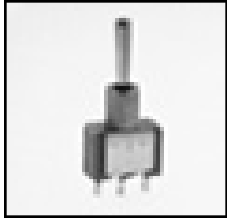


SP1	T1*	B1	M1	Q=Silver	Epoxy Seal at Base of Terminal
SP2	T2	B2	M2	R=Gold	
SP3	T3	B3	M3		
SP4	T4	B4	M5		
SP5	T5	B5	M6		
DP1	T6	B6	M7		
DP2	T7	B8	VS2		
DP3	T8	B9	VS3		
DP4	T9	B13	VS5		
DP5					
DP6	*Optional Toggle Cap (T1 Only):				
3P1	T100-1=White				
3P2	T100-2=Black				
3P3					
3P4					
3P5					
4P1					
4P2					
4P3					
4P4					
4P5					
4P6					

Example:

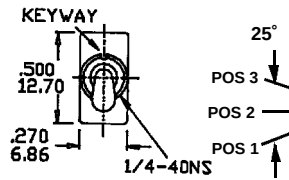
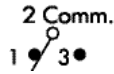
100 → SP1 → T4 → B2 → M1 → R → E

SPDT

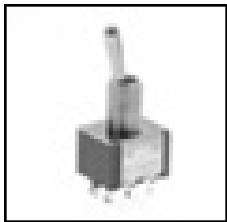


Model No.	POS 1	POS 2	POS 3
SP-1	ON	NONE	ON
SP-2	ON	NONE	(ON)
SP-3	ON	OFF	ON
SP-4	(ON)	OFF	(ON)
SP-5	ON	OFF	(ON)
Term. Comm.	2-3	OPEN	2-1

Schematic () = Momentary

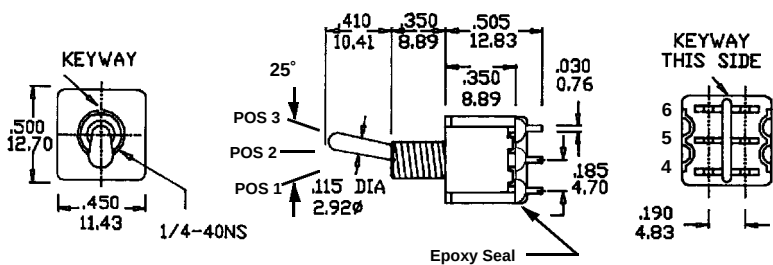
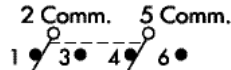


DPDT



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)
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4

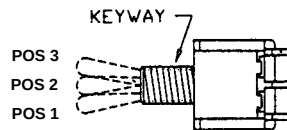
Schematic () = Momentary



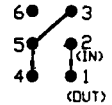
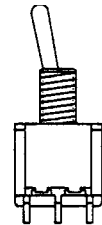
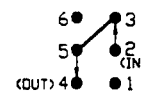
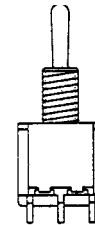
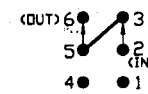
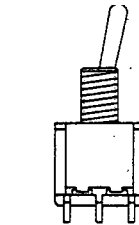
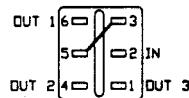
3-WAY SWITCHES

3-WAY WIRING DIAGRAM SCHEMATICS

Model No.	POS 1	POS 2	POS 3
DP-6	ON	ON	ON
Term. Comm.	2-3, 5-6	2-3, 5-4	2-1, 5-4



SINGLE POLE, 3 POSITION

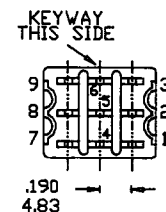
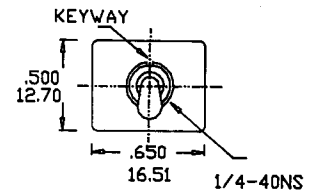
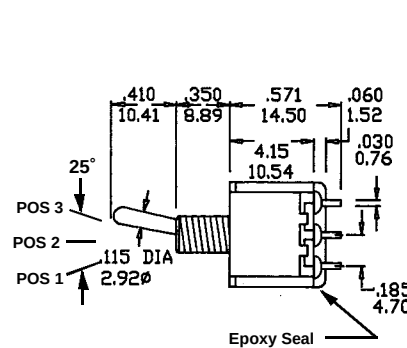
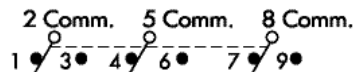


3PDT



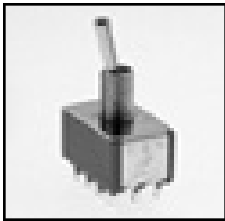
Model No.	POS 1	POS 2	POS 3
3P-1	ON	NONE	ON
3P-2	ON	NONE	(ON)
3P-3	ON	OFF	ON
3P-4	(ON)	OFF	(ON)
3P-5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6 8-9	OPEN	2-1, 5-4 8-7

Schematic () = Momentary



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

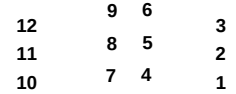
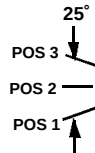
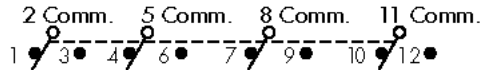
4PDT



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)
Term. Comm.	2-3, 5-6 8-9 11-12	OPEN	2-1, 5-4 8-7 11-10

() = Momentary

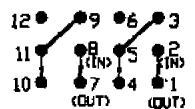
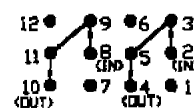
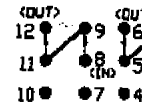
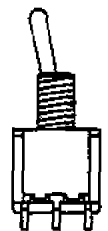
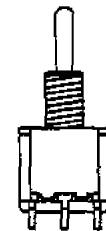
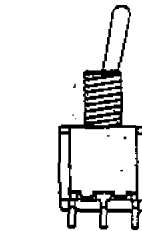
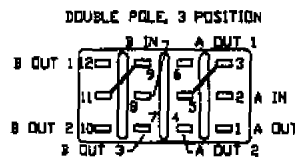
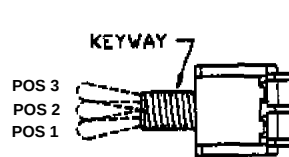
Schematic



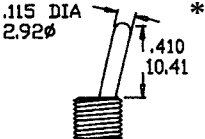
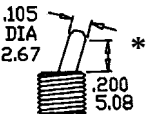
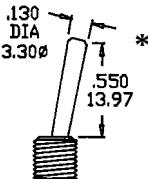
3-WAY SWITCHES

3-WAY WIRING DIAGRAM SCHEMATICS

Model No.	POS 1	POS 2	POS 3
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



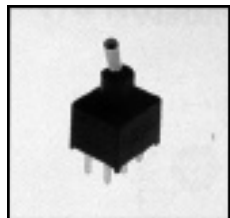
ACTUATOR OPTIONS

T1 STD  *	T2  *	T3  *	T4 *	T5 * B3/B4 bushing std
T6 FLATTED WITH BUILT IN ANTIROTATION Use with B11, B12, B15, B16 only	T7 Use with B13 bushing	T8 Use with B13 bushing	T9 PLASTIC BLACK Gloss Finish Plastic → Chrome → * B3/B4 bushing std	

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

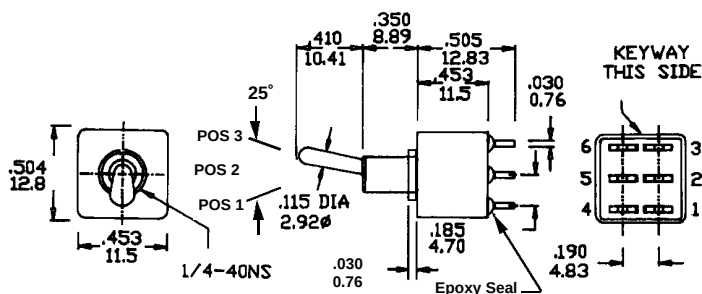
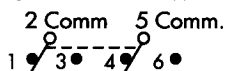
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

DPDT



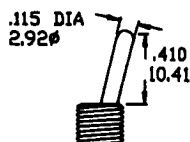
Model No.	POS 1	POS 2	POS 3
WDP-1	ON	NONE	ON
WDP-2	ON	NONE	(ON)
WDP-3	ON	OFF	ON
WDP-4	(ON)	OFF	(ON)
WDP-5	ON	OFF	(ON)
Term. Comm.	2-3, 5-6	OPEN	2-1, 5-4

Schematic () = Momentary



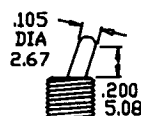
ACTUATOR OPTIONS

T1



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

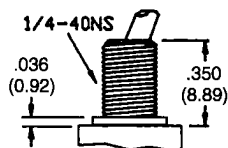
T2



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

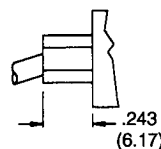
BUSHING OPTIONS

B1



Std for M1

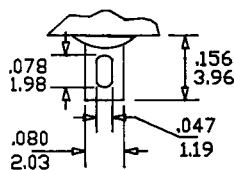
B4



Std for M2, M6, M7, VS termination

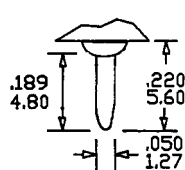
TERMINATION OPTIONS

M1



THK .030 <0.76>

M2



THK .030 <0.76>

OTHER TERMINATION OPTIONS

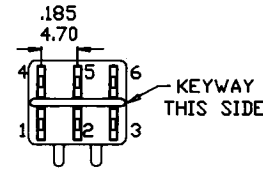
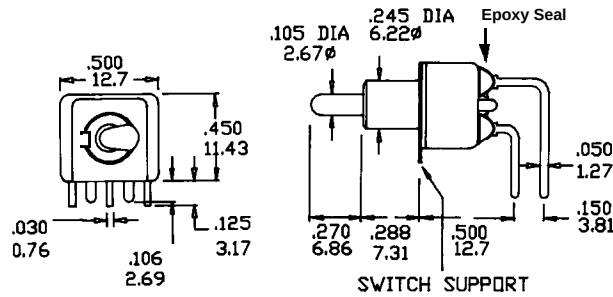
- M6 RIGHT ANGLE P.C. MOUNT
- M7 RIGHT ANGLE P.C. MOUNT
- VS2 VERTICAL BRACKET P.C. MOUNT
- VS3 VERTICAL BRACKET P.C. MOUNT

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

M6

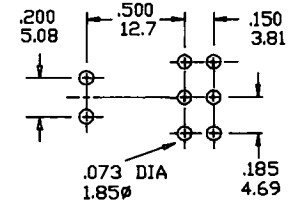


DPDT



TERM.NOS.FOR
REFERENCE ONLY

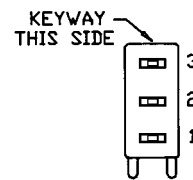
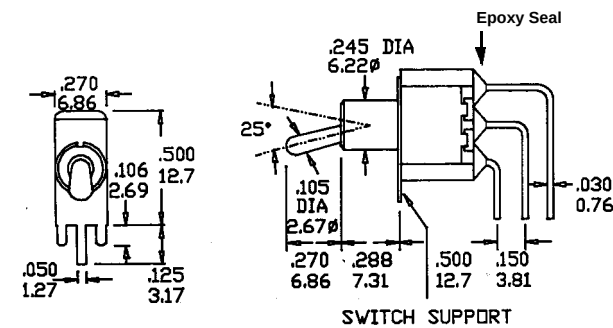
P.C. MOUNTING



M7

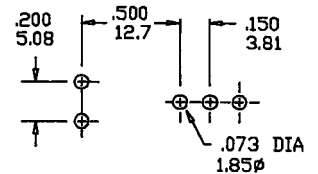


SPDT

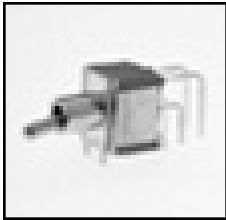


TERM. NO. FOR
REFERENCE ONLY

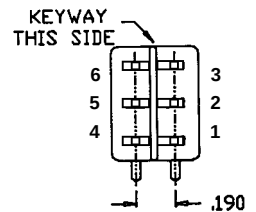
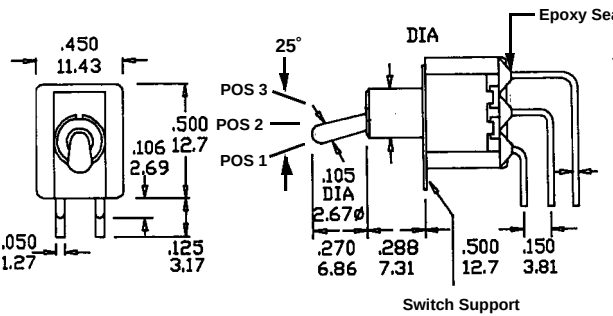
P.C. MOUNTING



M7

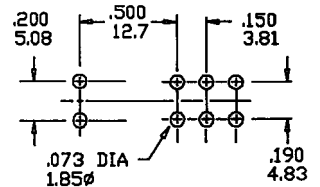


DPDT



TERM. NOS. FOR
REFERENCE ONLY

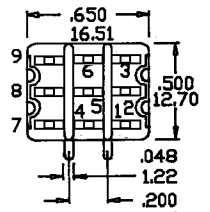
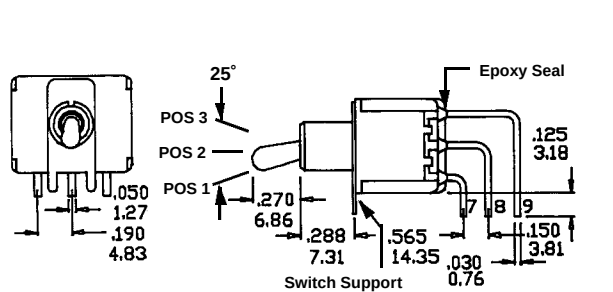
P.C. MOUNTING



M7

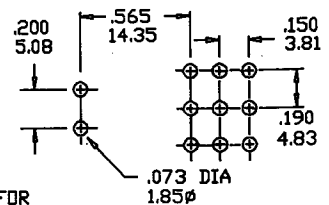


3PDT



TERM. NOS. FOR
REFERENCE ONLY

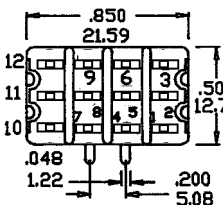
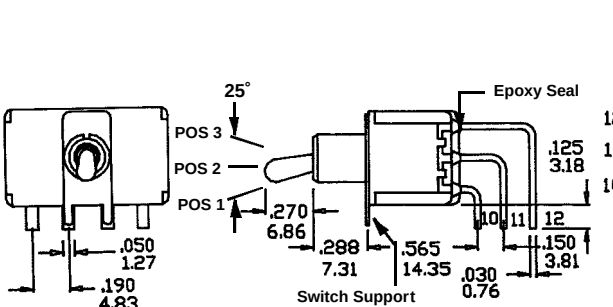
P.C. MOUNTING



M7

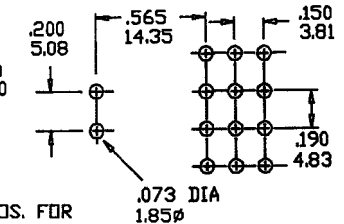


4PDT



TERM. NOS. FOR
REFERENCE ONLY

P.C. MOUNTING

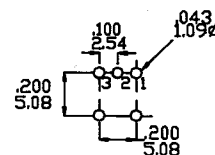
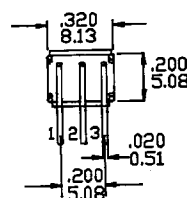
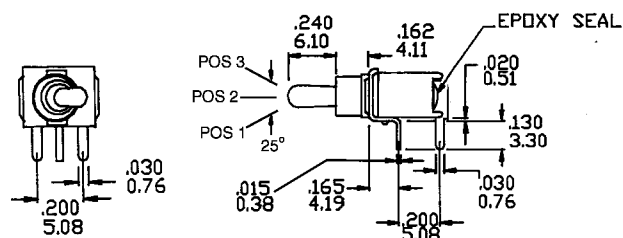


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

M6



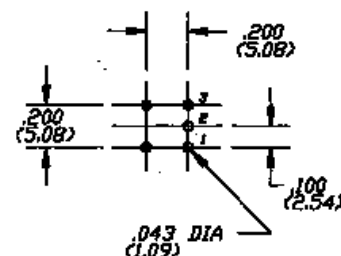
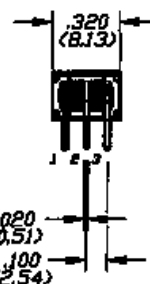
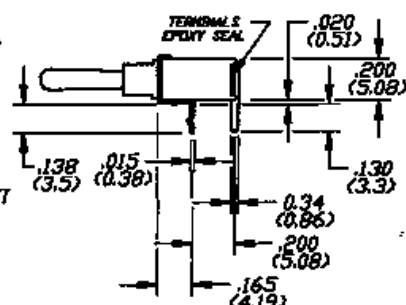
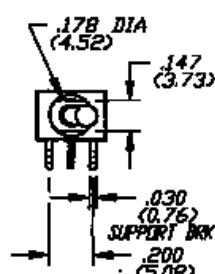
SPDT



P.C. MOUNTING

M61

SNAP-IN BRACKET

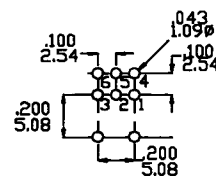
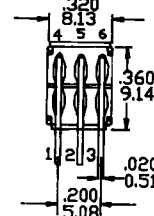
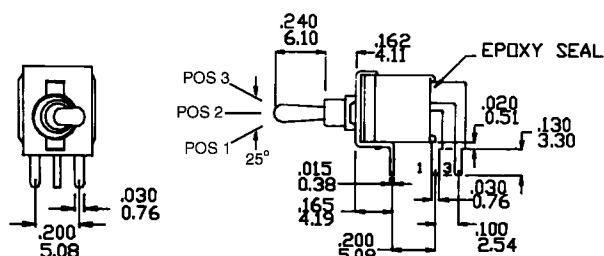


P.C. MOUNTING

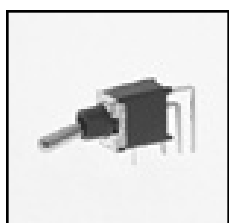
M6



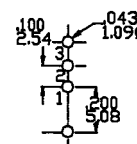
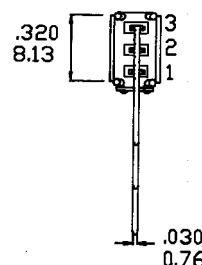
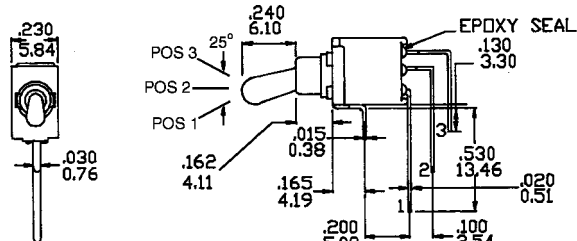
DPDT



P.C. MOUNTING

M7

SPDT



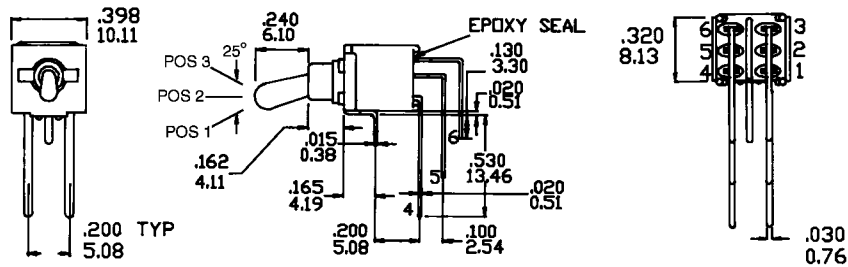
P.C. MOUNTING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

M7



DPDT

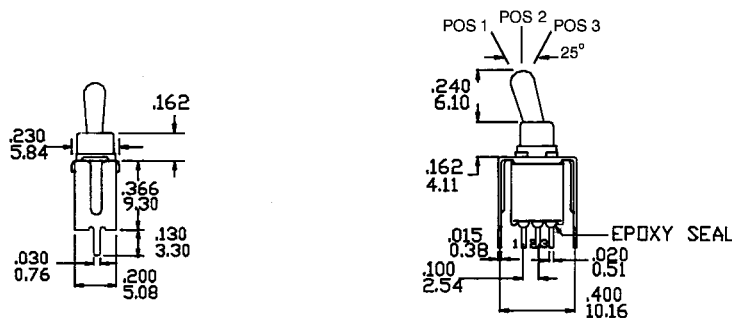


P.C. MOUNTING

VS2



SPDT

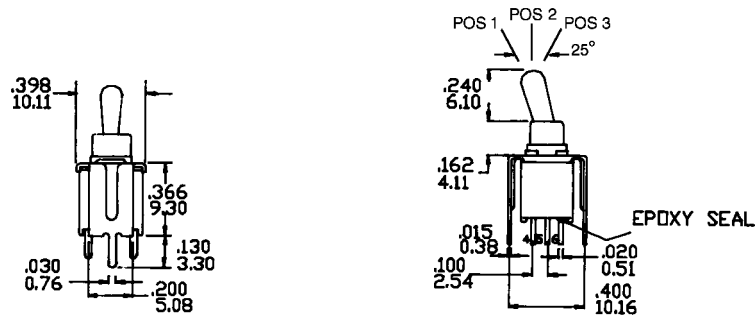


P.C. MOUNTING

VS2



DPDT



P.C. MOUNTING

CONTACT MATERIAL OPTIONS

Q

FIXED TERMINAL: Silver plated copper alloy

MOVING CONTACT: Silver plated copper alloy

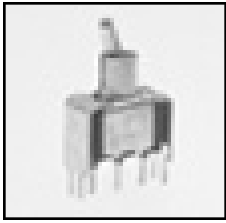
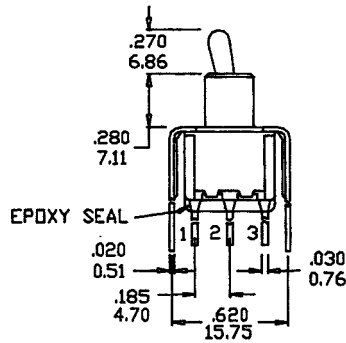
RATING: 3 Amps @ 120 VAC or 28 VDC; 1 Amp @ 250 VAC

R

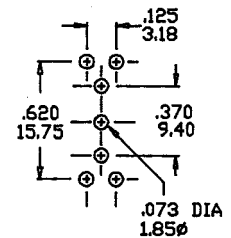
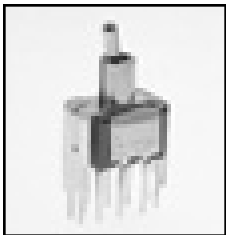
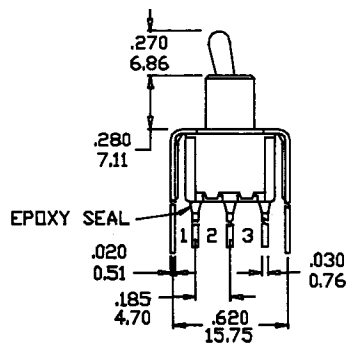
FIXED TERMINAL: Copper alloy with gold plate over nickel plate

MOVING CONTACT: Copper alloy with gold plate over nickel plate

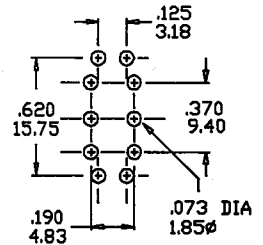
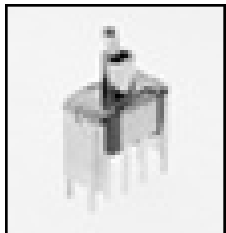
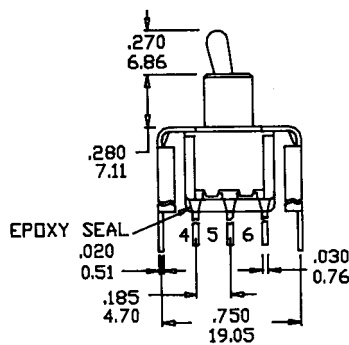
RATING: 0.4 VAm_{max}. @ 20 VAC or DC max.

VS2-VS3

SPDT

P.C. MOUNTING

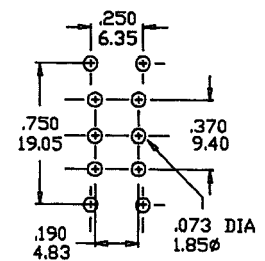
OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00


VS2-VS3

DPDT

P.C. MOUNTING

OPTION CODE	DIM. 'A'
VS2	.460 11.68
VS3	.630 16.00


VS5

DPDT

P.C. MOUNTING

OPTION CODE	DIM. 'A'
VS5	.630 16.00


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

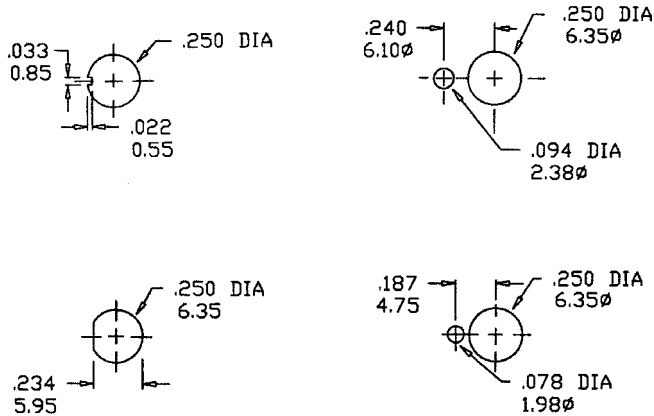
R

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)

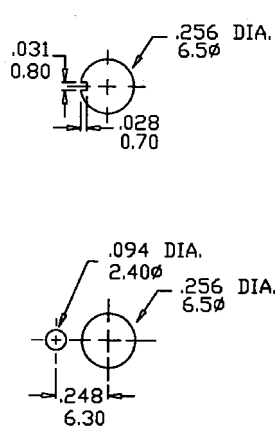
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PANEL MOUNTING

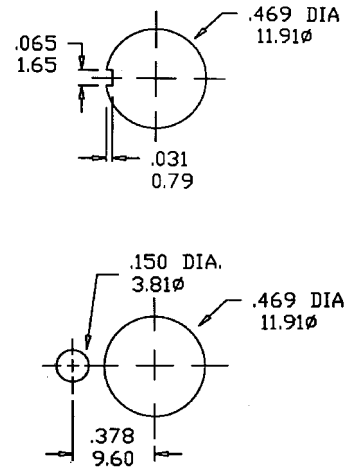
1/4 IN. BUSHING



METRIC BUSHING

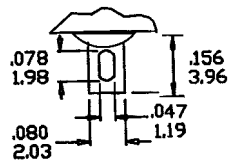


15/32 IN. BUSHING

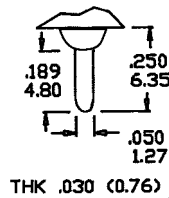


TERMINATION OPTIONS

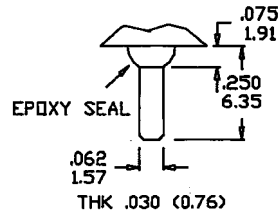
M1 SOLDER LUG



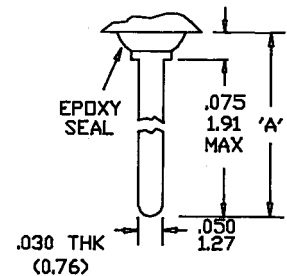
M2 P.C. MOUNT



M3 QUICK CONNECT



M5 WIRE WRAP



OTHER TERMINATION OPTIONS

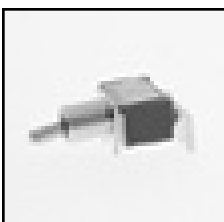
- M6 RIGHT ANGLE P.C. MOUNT
- M7 RIGHT ANGLE P.C. MOUNT
- VS2 VERTICAL BRACKET P.C. MOUNT
- VS3 VERTICAL BRACKET P.C. MOUNT
- VS5 VERTICAL BRACKET P.C. MOUNT

Mating Quick Connector
Amp P/N 61454-1

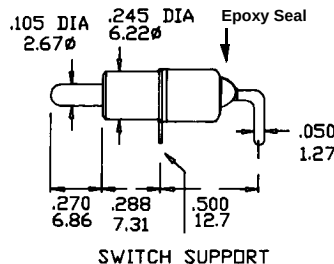
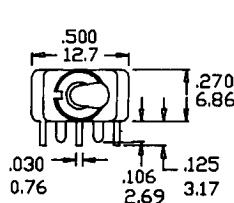
OPTION CODE	DIM. 'A'
M5-1	.750 (19.05)
M5-2	.964 (24.48)
M5-3	.425 (10.80)
M5-4	1.062 (26.97)

TERMINATION OPTIONS M6, M7, VS2, VS3, VS5

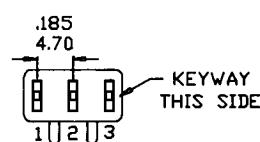
M6



SPDT

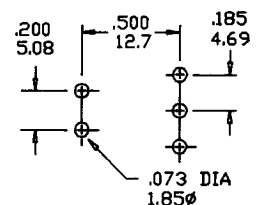


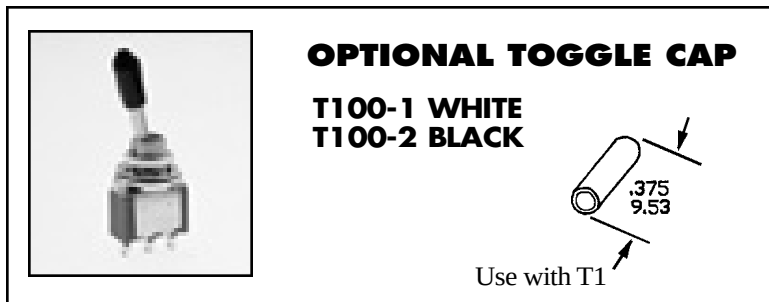
SWITCH SUPPORT



TERM. NOS. FOR
REFERENCE ONLY

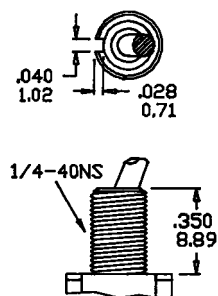
P.C. MOUNTING



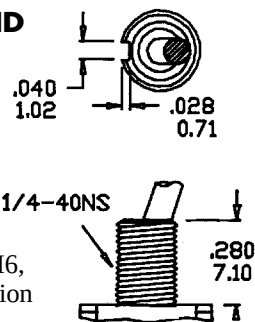


BUSHING OPTIONS

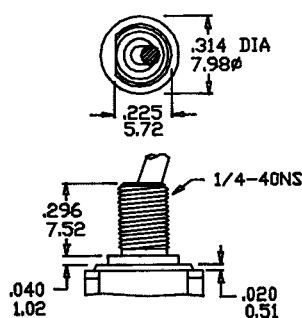
**B1 THD STD
B2 NON-THD**



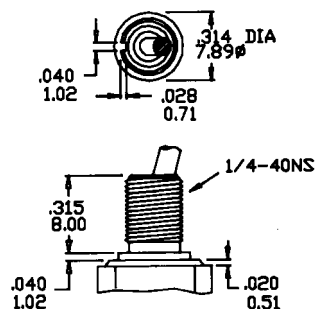
**B3 THD
B4 NON-THD**



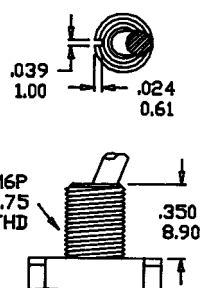
B5 HIGH TORQUE



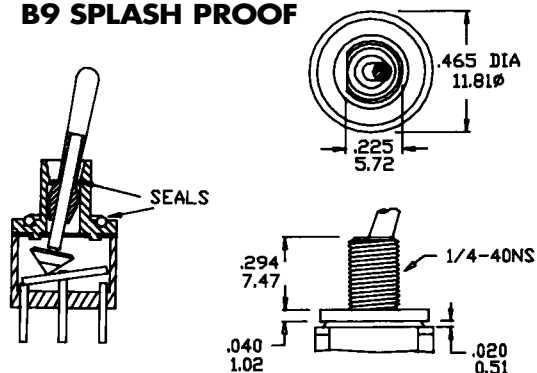
B6 HIGH TORQUE



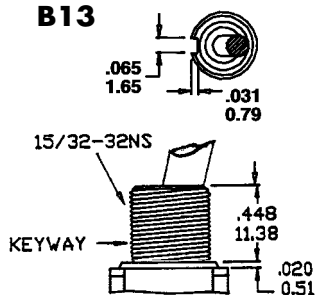
B8 METRIC THD



B9 SPLASH PROOF

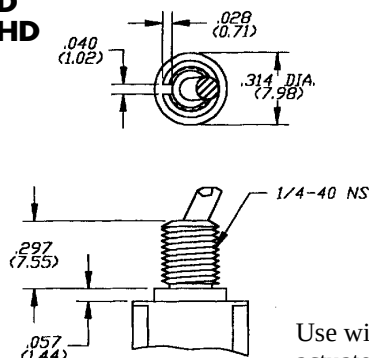


B13



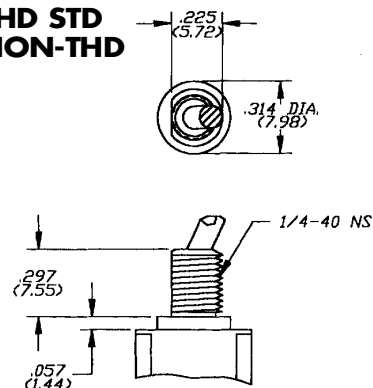
Use with T7 and T8 actuators only

**B11 THD STD
B12 NON-THD**



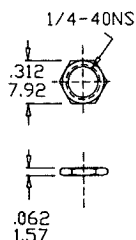
Use with T6 actuator only

**B15 THD STD
B16 NON-THD**

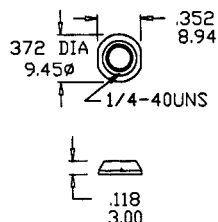
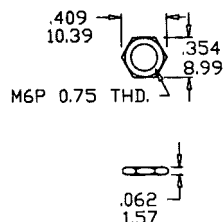


Use with T6 actuator only

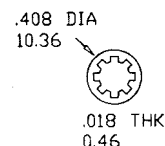
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

HARDWARE
1/4 NUTS HDW2


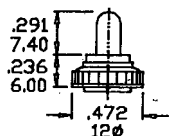
Supplied standard with
B1, B3, B5, B6 and B9 options

DRESS NUT HDW3

METRIC NUT HDW6


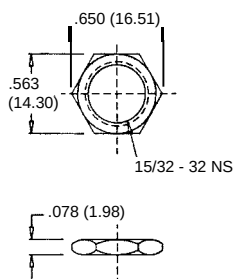
Supplied standard with
B8 metric bushing

LOCK WASHER HDW11


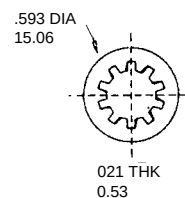
Supplied standard with
B3/B4 bushing

OPTIONAL RUBBER HOOD SEALING


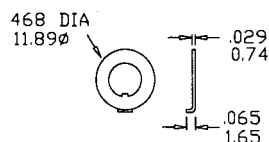
K1= Metric
E1= Inch (Std.)
for actuator T1, T2 and B1, B3, B5, B6
Bushing Only

15/32 NUTS HDW4


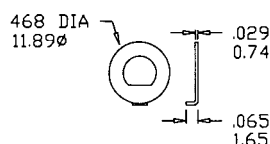
Supplied standard
with B13 bushing

LOCK WASHER HDW12


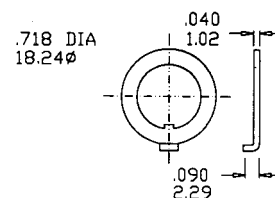
Supplied standard
with B13 bushing

HDW 15


Locking ring
Supplied standard

HDW 16


Locking ring
supplied with B5 bushing

HDW 17


Locking ring
Supplied with B13 bushing