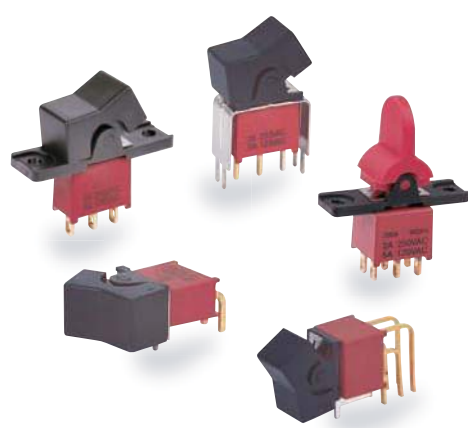


SR3A SERIES

Sealed Miniature Rocker & Paddle Switches



SPECIFICATIONS

CONTACT RATING: Dependent upon contact material
MECHANICAL LIFE: 30,000 make-and-break cycles.
CONTACT RESISTANCE: 10 mΩ max. initial @ 2-4VDC
100mA for both silver and gold plated contacts.
INSULATION RESISTANCE: 1,000 MΩ min.
DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.
OPERATING TEMPERATURE: -30°C to 85°C.

MATERIALS

CASE & BUSHING : Glass filled nylon 6/6,flame retardant, heat stabilized (UL94V-0).
ACTUATOR: Nylon,black std.Internal O-ring seal standard with all actuators.
FRAME: Spring steel,black std.
SWITCH SUPPORT: Brass or steel,tin plated.
ACTUATOR PIVOT & MOUNTING BRACKET: Nylon.
ACTUATOR PIVOT RETAINER: Stainless steel.
TERMINAL/CONTACT: Silver or gold plated copper alloy.

HOW TO ORDER

MODEL NO.

ACTUATOR

FRAME COLOR

ACTUATOR COLOR

CAP MARKING

TERMINATIONS

CONTACT MATERIAL

SEAL

ROHS SOLDERING

See below

See below

See below

See below

See below

See below

See below

See below

MODEL NO.

ACTUATOR

FRAME COLOR

ACTUATOR COLOR

CAP MARKING

TERMINATIONS

CONTACT MATERIAL

SEAL

ROHS SOLDERING

SR3AS1 SP On-None-On

R1 13.49 long rocker - support

1

M1 Solder Lug

Q Silver

E EPOXY (std)

SR3AS2 SP On-None-Mom

R2 Lever - support

2

M2 PC thru-hole

R Gold

SR3AS3 SP On-Off-On

R11 9.19 long rocker - support

5

M5-1 18.70 high, wire wrap

G Gold,pure-tin

SR3AS4 SP Mom-Off-Mom

R12 Lever - support

6

M5-2 24.20 high, wire wrap

S Silver,pure-tin

SR3AD1 DP On-None-On

R13 Lever - support

7

M5-3 10.55 high, wire wrap

C Gold over silver

SR3AD2 DP On-None-Mom

R16 Lever - support

8

M5-4 26.97 high, wire wrap

K Gold over silver,pure-tin

SR3AD3 DP On-Off -On

RB 17.75 long rocker - support

9

M6 Right angle, PC thru-hole

SR3AD4 DP Mom-Off-Mom

F

M6N Right angle, snap-in, PC thru-hole

SR3AD5 DP On-Off-Mom

M7 Vertical right angle, PC thru-hole

SR3AD6 DP On-On-On

VS2 11.68 high, V-bracket

SR3AD7 DP MOm-On-Mom

V2N 11.68 high, snap-in V-bracket

SR3AD8 DP On-On-Mom

VS3 16.00 high, V-bracket

SR3A31 3P On-None-On

SR3A32 3P On-None-Mom

SR3A33 3P On-Off-On

SR3A34 3P Mom-Off-Mom.

SR3A35 3P On-Off-Mom

See below

See below

ITEM NO

COLOR

1

White

2

Black (Std)

3

Red

4

Orange

5

Yellow

6

Green

7

Blue

8

Brown

9

Gray

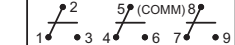
RoHS compliant

Lead-free

UL E 197490

IP 67
ACCORDING TO
EN 60529:1991+A1:2001
IEC 60529:2001

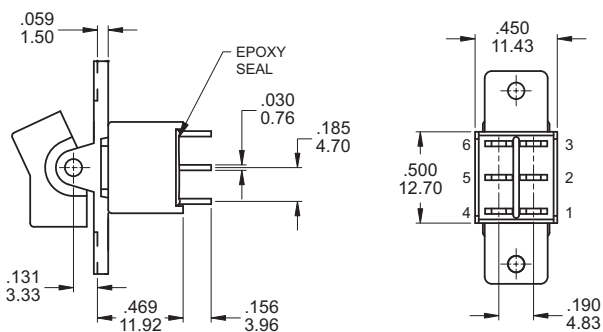
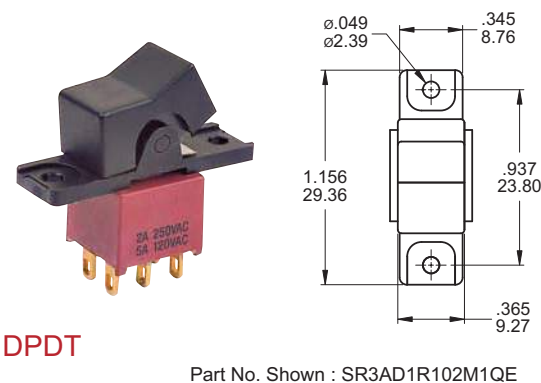
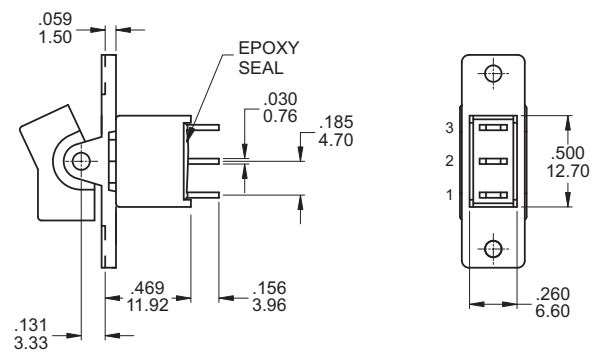
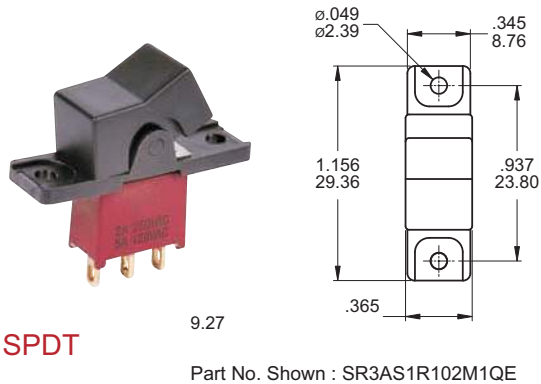
SWITCH FUNCTION

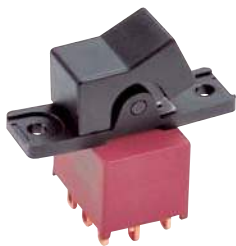
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
								
SP	Q13A11	SR3AS1	ON	NONE	ON	2-3 	N/A	2-1 
	Q13A12	SR3AS2	ON	NONE	MOM		OPEN	
	Q13A13	SR3AS3	ON	OFF	ON			
	Q13A14	SR3AS4	MOM	OFF	MOM			
	Q13A15	SR3AS5	ON	OFF	MOM			
DP	Q13A21	SR3AD1	ON	NONE	ON	2-3,5-6 	N/A	2-1,5-4 
	Q13A22	SR3AD2	ON	NONE	MOM		OPEN	
	Q13A23	SR3AD3	ON	OFF	ON			
	Q13A24	SR3AD4	MOM	OFF	MOM			
	Q13A25	SR3AD5	ON	OFF	MOM	2-3,5-6	2-3,5-4	2-1,5-4
	Q13A26	SR3AD6	ON	ON	ON			
	▲ Q13A27	SR3AD7	MOM	ON	MOM			
	▲ Q13A28	SR3AD8	ON	ON	MOM			
3P	Q13A31	SR3A31	ON	NONE	ON	2-3,5-6,8-9 	N/A	2-1,5-4,8-7 
	Q13A32	SR3A32	ON	NONE	MOM		OPEN	
	Q13A33	SR3A33	ON	OFF	ON			
	Q13A34	SR3A34	MOM	OFF	MOM			
	Q13A35	SR3A35	ON	OFF	MOM			

MOM=MOMENTARY

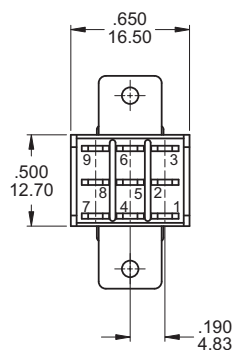
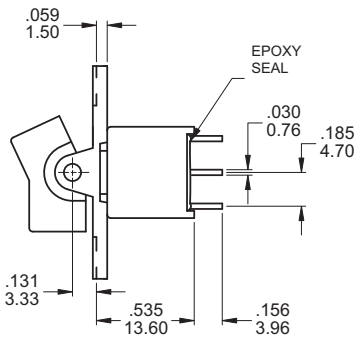
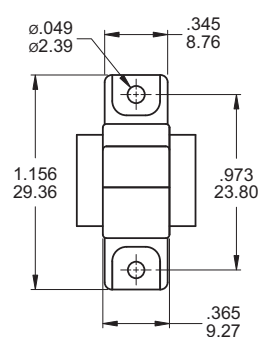
▲ Please check the availability in advance before order

POLE OPTIONS





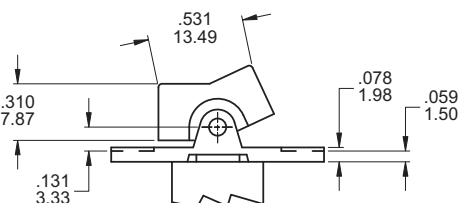
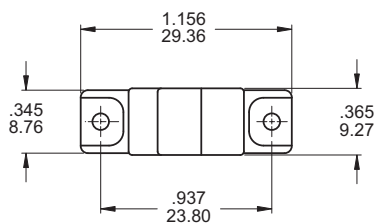
3PDT



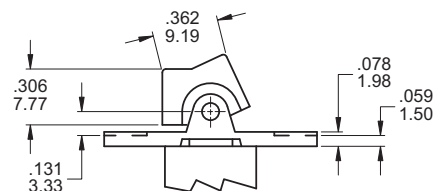
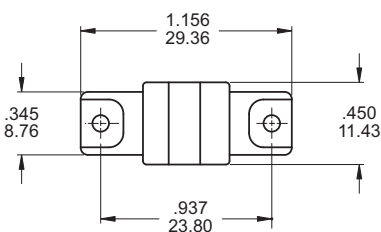
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ACTUATOR OPTIONS FOR PANEL MOUNT ONLY

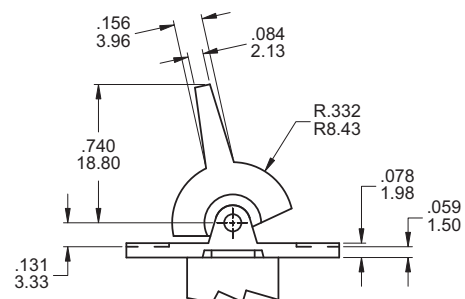
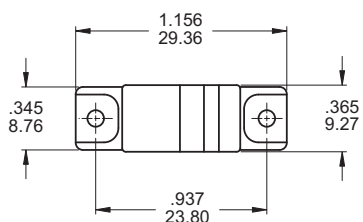
R1



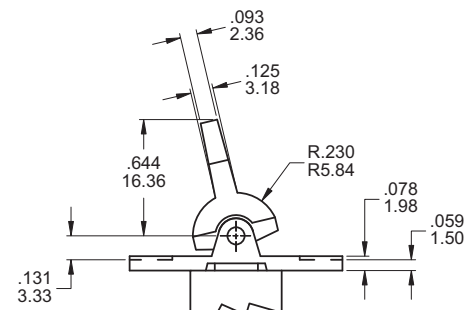
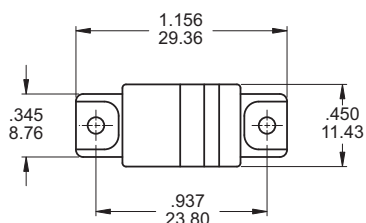
R11



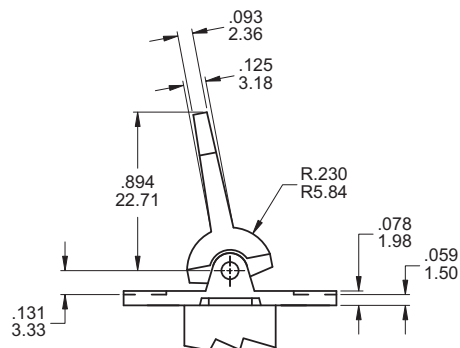
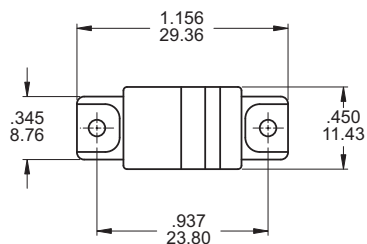
R2



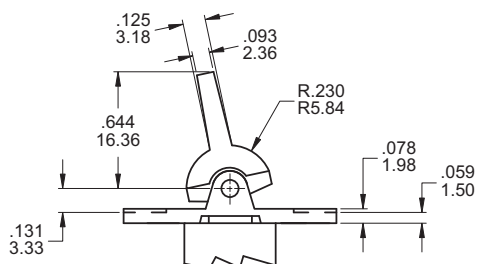
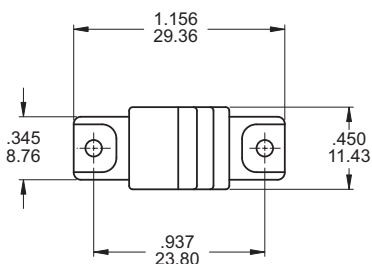
R12



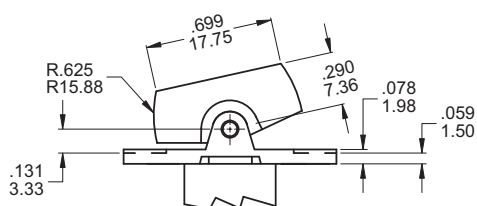
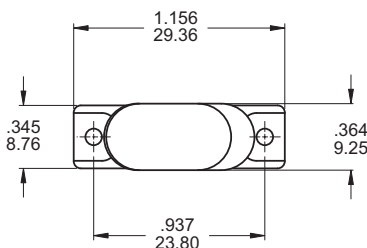
R13



R16

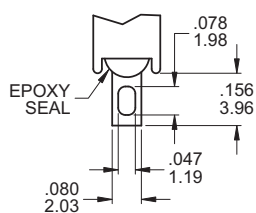


RB



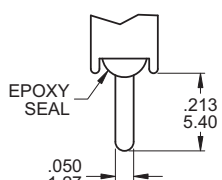
TERMINATION OPTIONS

M1 SOLDER LUG



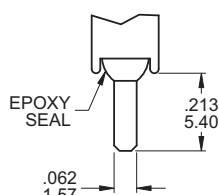
THK .030(0.76)

M2 PC THRU-HOLE



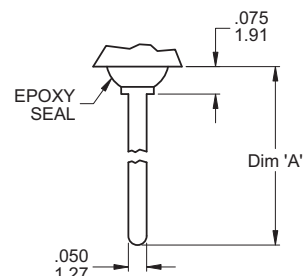
THK .030(0.76)

M3 QUICK CONNECT



THK .030(0.76)

M5 WIRE WRAP



THK .030(0.76)

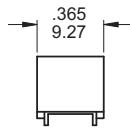
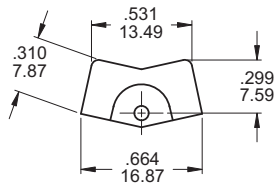
OTHER TERMINATION OPTIONS

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

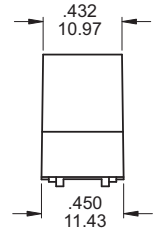
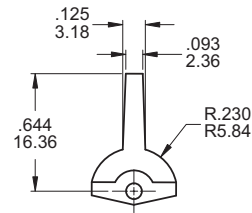
OPTION CODE	DIM. 'A'
M5-1	.736 (18.70)
M5-2	.953 (24.20)
M5-3	.415 (10.55)
M5-4	1.062 (26.97)

ACTUATOR OPTIONS FOR P.C. MOUNT ONLY

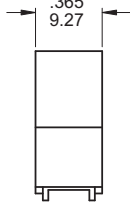
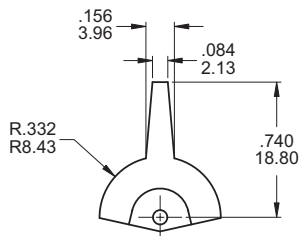
J1



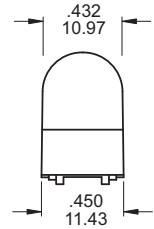
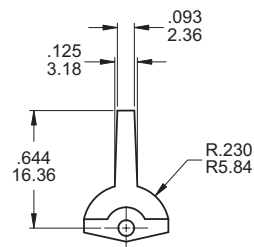
J6



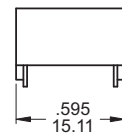
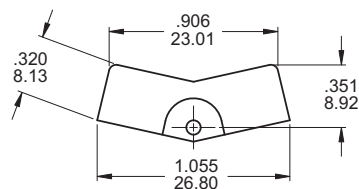
J2



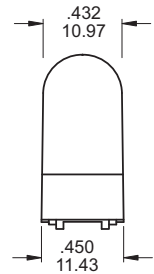
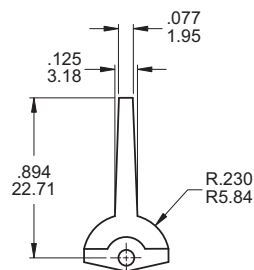
J7



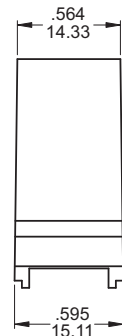
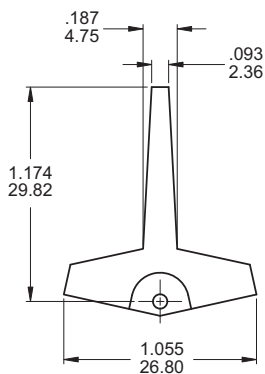
J3



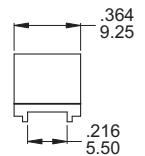
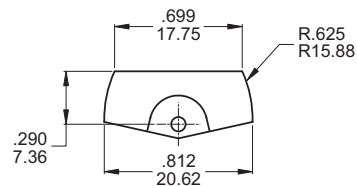
J8



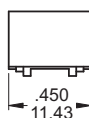
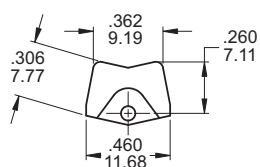
J4



JB



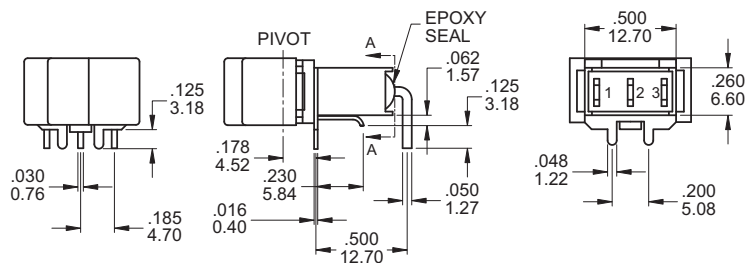
J5



Actuator colors:

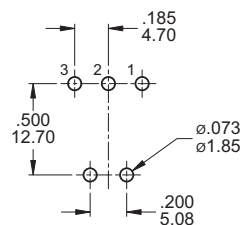
ITEM NO	COLOR
1	White
2	Black (Std)
3	Red
4	Orange
5	Yellow
6	Green
7	Blue
8	Brown
9	Gray

M6



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

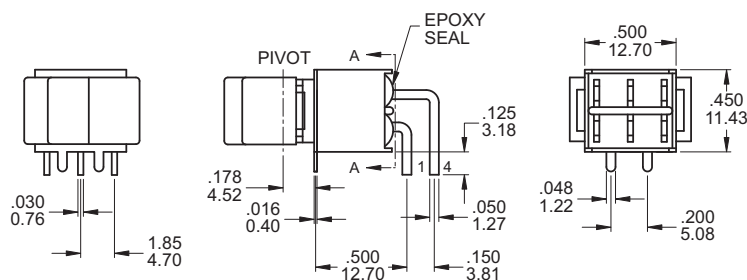
P.C. MOUNTING



SPDT

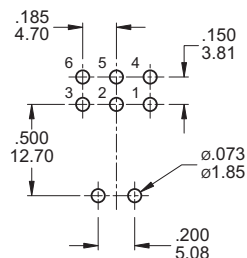
Part No. Shown : SR3AS1J102M6QE

M6



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

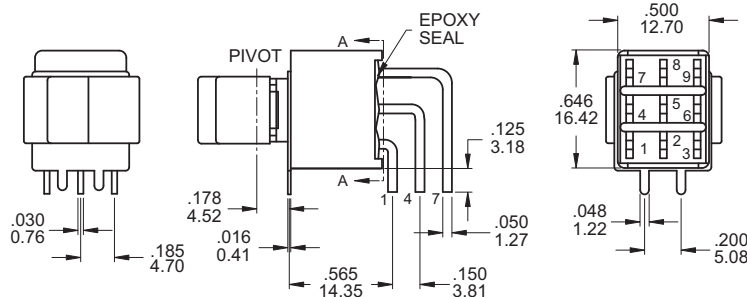
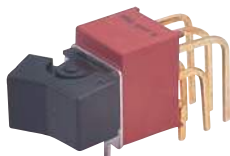
P.C. MOUNTING



DPDT

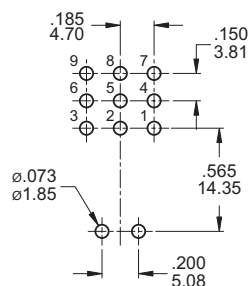
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M6



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

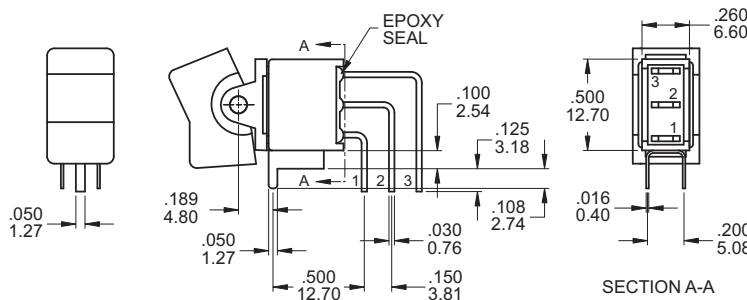
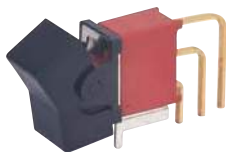
P.C. MOUNTING



3PDT

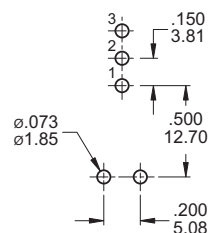
Part No. Shown : SR3A31J102M6RE

M7



SECTION A-A
TERM.NOS.FOR
REFERENCE ONLY

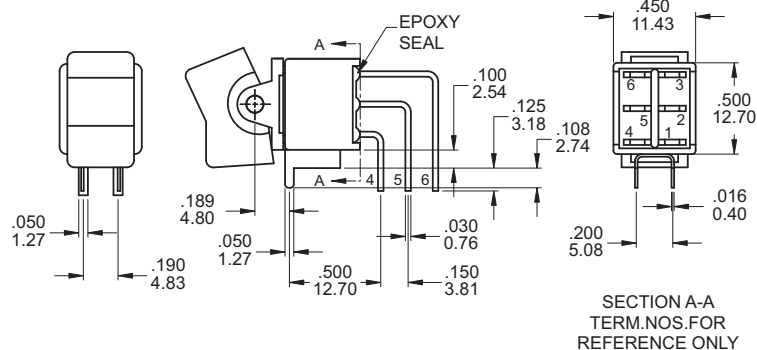
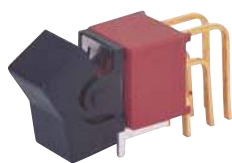
P.C. MOUNTING



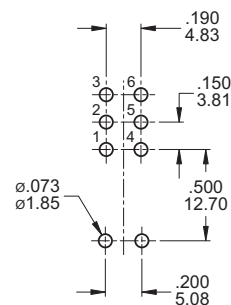
SPDT

Part No. Shown : SR3AS1J102M7RE

M7



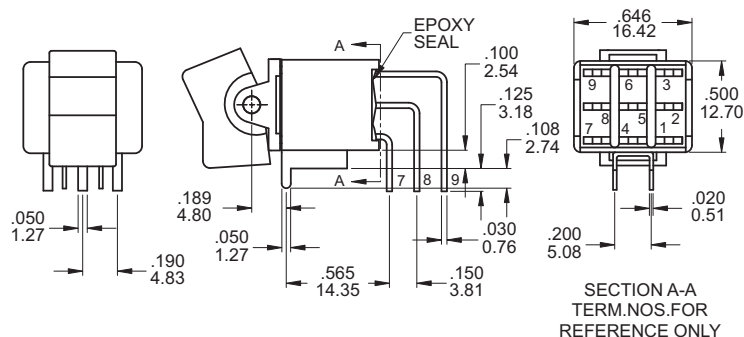
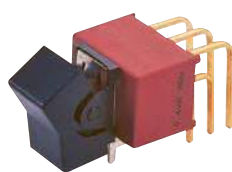
P.C. MOUNTING



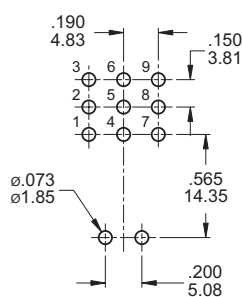
DPDT

Part No. Shown : SR3AD1J102M7RE

M7



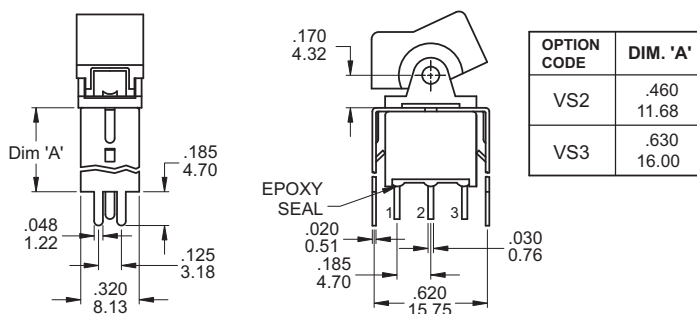
P.C. MOUNTING



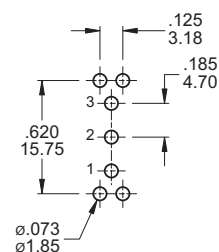
3PDT

Part No. Shown : SR3A31J102M7RE

VS2 - VS3



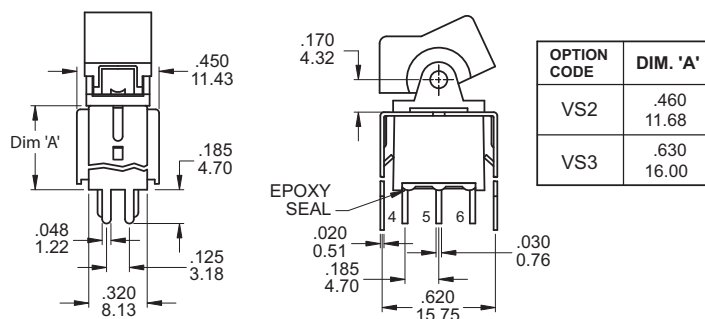
P.C. MOUNTING



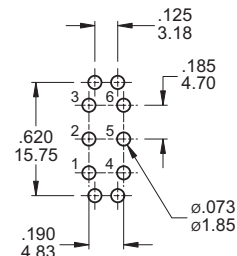
SPDT

Part No. Shown : SR3AS1J102VS2QE

VS2 - VS3



P.C. MOUNTING



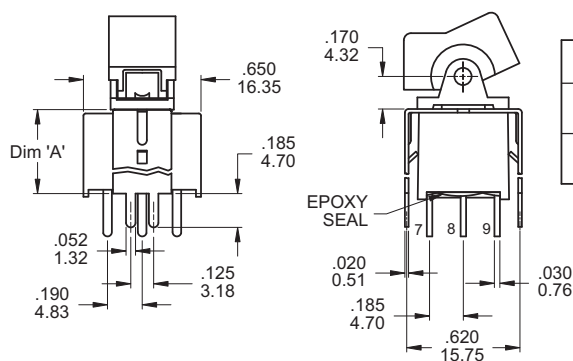
DPDT

Part No. Shown : SR3AD1J102VS2QE

VS2 - VS3

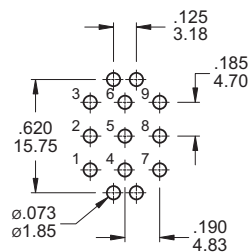


3PDT



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

P.C. MOUNTING

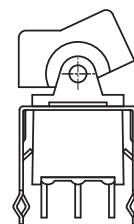
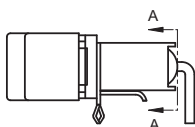


Part No. Shown : SR3A31J102VS2RE

SNAP-IN TERMINATION OPTIONS

M6N

V2N



CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Q = Gold flash over silver	5 Amps with resistant load @ 120VAC or 28VDC 2 Amps with resistant load @ 250VAC
S		S = Gold flash over silver,pure - tin	
C	Gold over Silver	C = Gold over silver	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)
K		K = Gold over silver,pure - tin	
R	Gold	R = Gold	
G		G = Gold,pure - tin	

SOLDERING PROCESSES

MANUAL SOLDERING : Use soldering iron of 30 watts, controlled at 350°C
approximately 5 seconds while applying solder.

WAVE SOLDERING : Recommended Soldering Temperature : 260 ± 5°C

Duration of Solder Immersion : Max 5 sec.

(PCB is 1.6mm in thickness)

SOLDERING : Vapor phase