

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS

SERIES 400 SWITCHES

ROCKER SWITCHES - SUB-MINIATURE

CUI®
US

FEATURES & BENEFITS

- Variety of switching functions
- Sub-miniature
- Multiple actuator options

APPLICATIONS/MARKETS

- Telecommunications
- Instrumentation
- Test equipment
- Networking
- Computer peripherals

SPECIFICATIONS

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

MATERIALS

Case:	Diallyl phthalate (DAP) or glass filled nylon, flame retardant, heat stabilized (UL 94-V0)
Rocker:	Nylon
Bushing:	Brass, nickel plated
Housing:	Stainless steel
Terminal/Switch Support:	Brass, or steel tin plated
Contacts / Terminals:	Silver or gold plated copper alloy



HOW TO ORDER

SERIES 400	MODEL NO.	ACTUATOR	ACTUATOR COLOR	TERMINATION	CONTACT MATERIAL	SEAL E
	MSP1 MSP2 MSP3 MSP4 MSP5 MSP6*** MDP1 MDP2 MDP3	R1* R6**	BLK =Black WHT=White RED =Red	M1 M2 M6 M61 M7 M71 VS2 VS21	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal



Example Ordering Number

400-MSP1-R6-BLK-M6-R-E

* Std. all models except SPDT with
M6 + M61 terminations.** Std. on SPDT models with
M6 + M61 terminations.

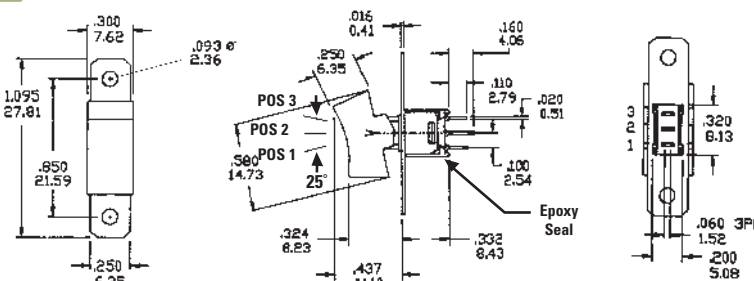
*** Not available with M6 terminations.

Specifications subject to change without notice.

SPDT

2 Comm.
1 3

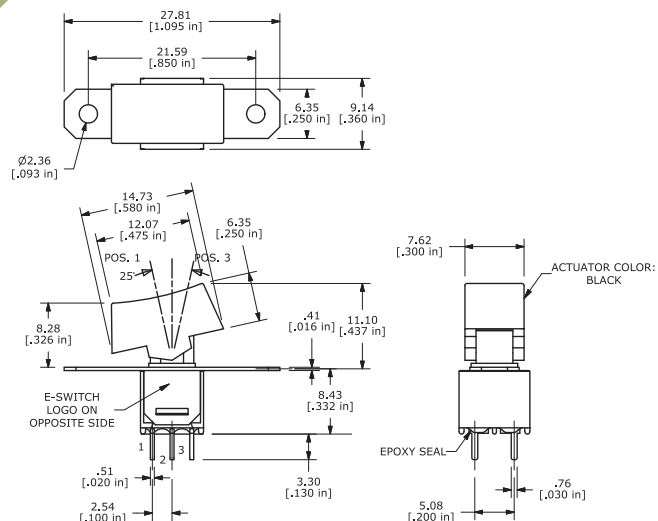
SCHEMATIC



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

() = Momentary

SCHEMATIC



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

() = Momentary

ACTUATOR OPTIONS

Std. all models except SPDT with M6 terminations.

Std. on SPDT models with M6 terminations.

TERMINATION OPTIONS

Technical drawing of a mechanical part with dimensions:

- Top width: .110
- Top thickness: 2.79
- Left side width: .060
- Left side thickness: 1.53
- Right side width: .160
- Right side thickness: 4.06
- Bottom left width: .030
- Bottom left thickness: 0.76
- Bottom center width: .060
- Bottom center thickness: 1.52
- Bottom right width: .020 THK
- Bottom right thickness: .051

200
5.08

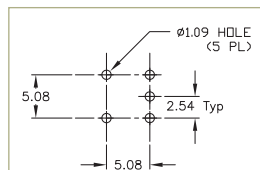
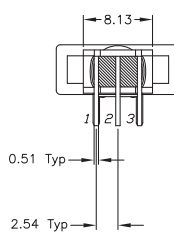
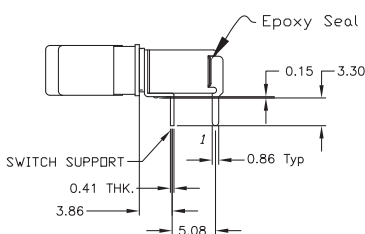
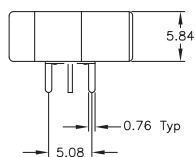
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SERIES 400 SWITCHES

ROCKER SWITCHES - SUB-MINIATURE

M6

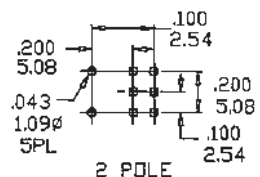
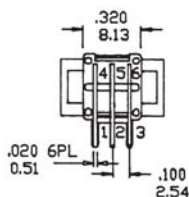
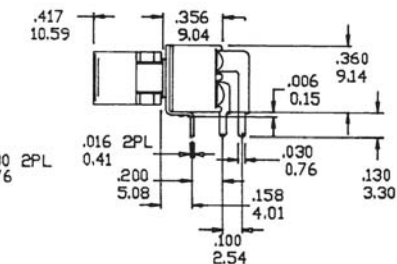
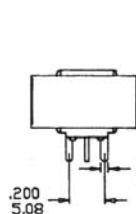
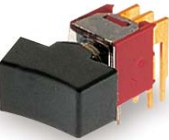
SPDT



P.C. MOUNTING

M6

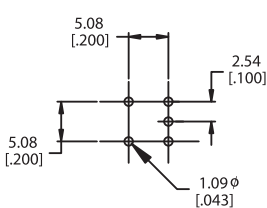
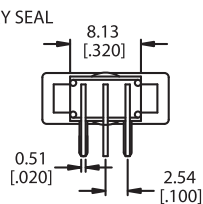
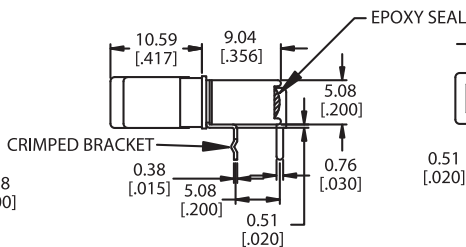
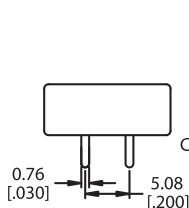
DPDT



P.C. MOUNTING

M61

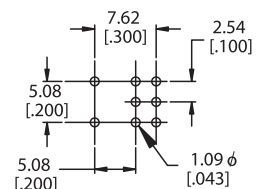
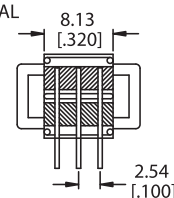
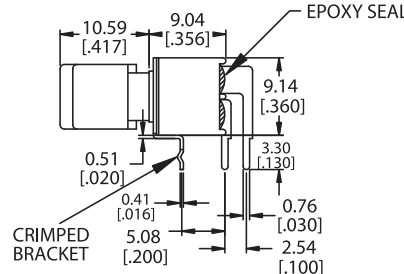
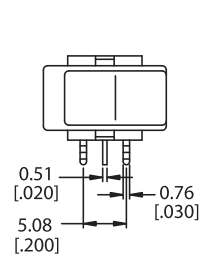
SPDT



P.C. MOUNTING

M61

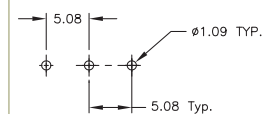
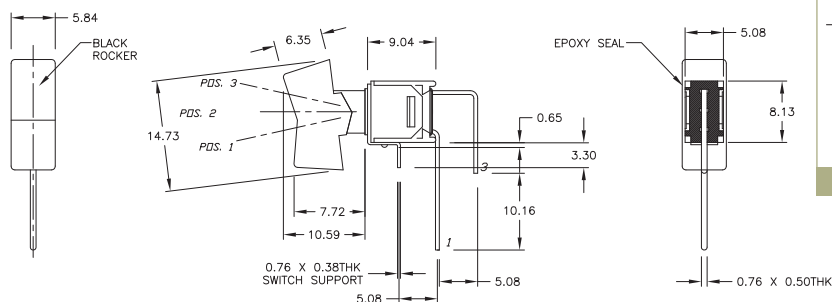
DPDT



P.C. MOUNTING

M7

SPDT

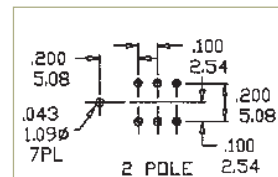
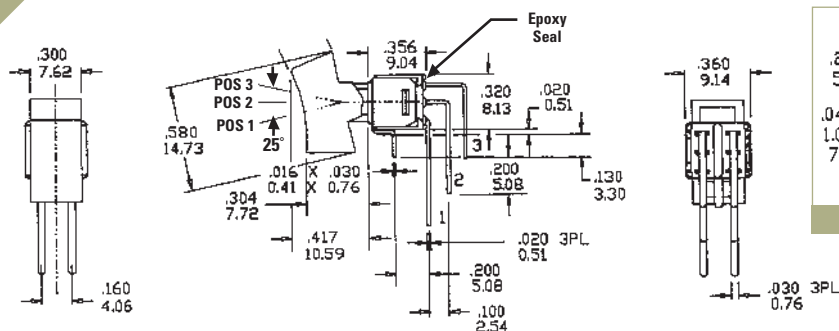


1 POLE

P.C. MOUNTING

M7

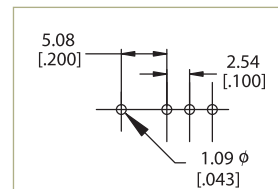
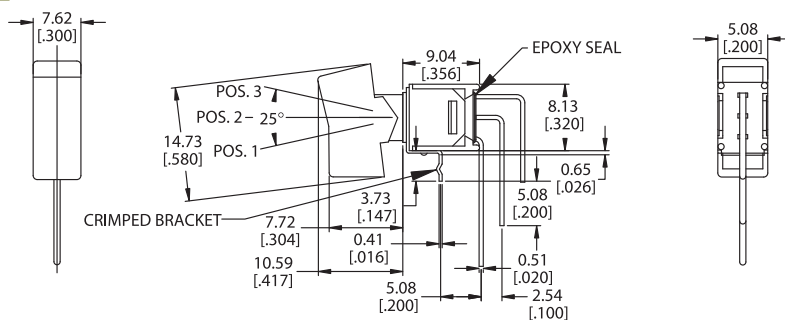
DPDT



P.C. MOUNTING

M71

SPDT



P.C. MOUNTING



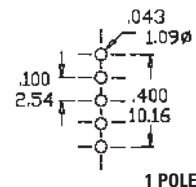
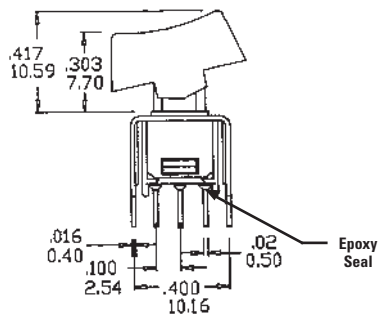
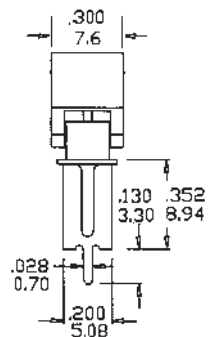
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VS2

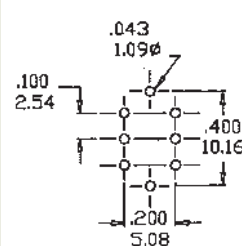
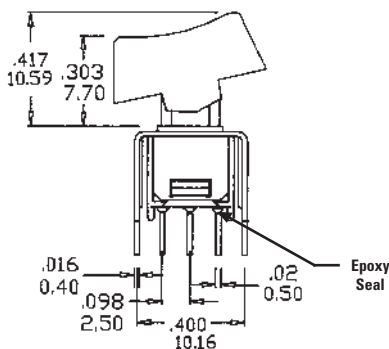
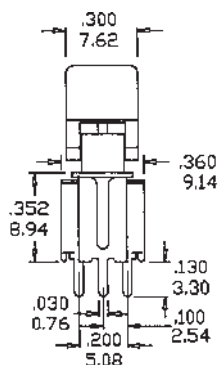
SPDT



P.C. MOUNTING

VS2

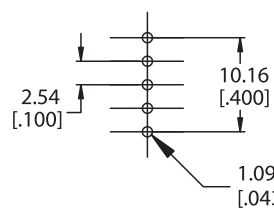
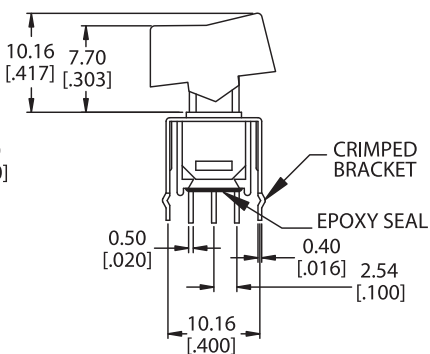
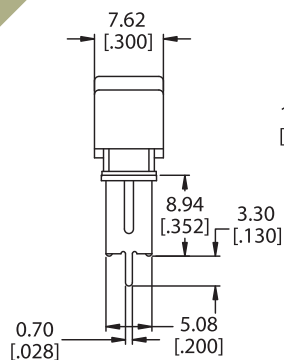
DPDT



P.C. MOUNTING

VS21

SPDT



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 @ 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 VA max. @ 20 VAC or DC max.