

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material. See Contact Plating & Ratings.

MECHANICAL LIFE: 30,000 make-and-break cycles. **CONTACT RESISTANCE**: 10 m Ω max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 M Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min.@sea level.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).

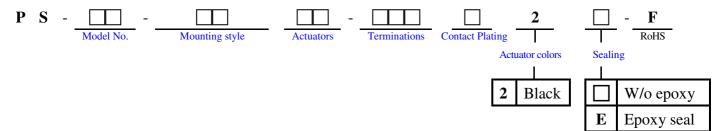
HOUSING: Stainless Steel.

ACTUATOR: Nylon, black std.

CONTACT/TERMINALS: Copper alloy, with silver or gold plated. See **Contact Plating & Ratings**.

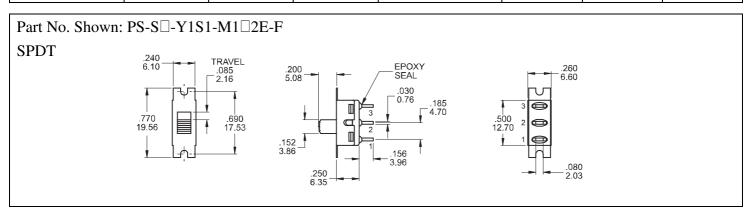
TERMINAL SEAL: Epoxy.

PART NUMBERING SYSTEM



Model No./ Switching function ()= Momentary Unit: Inch/ mm

SPDT				SPDT			
Model	Switching function		Model Switching for		itching funct	tion	
No.				No.			
S1	On	None	On	S2	On	Off	On
S3	On	None	(On)				
Connected terminals	2-1	N/A	2-3	Connected terminals	2-1	Open	2-3
Schematic	2 Comm.		2 Comm.	Schematic	2 Comm.		2 Comm.



models available,

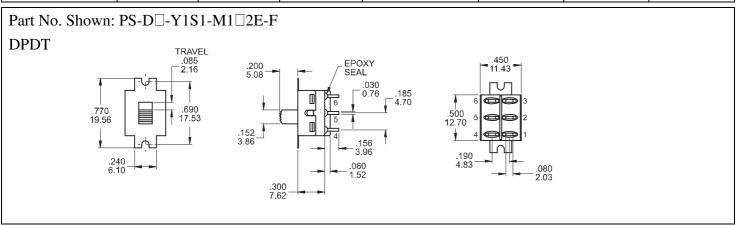
consult sales representatives.





Model No./ Switching function Unit: Inch/ mm ()= Momentary

DPDT				DPDT			
Model	Switching function		Model Switching function			ion	
No.	4	4		No.		4	
D1	On	None	On	D2	On	Off	On
Connected terminals	2-1,5-4	N/A	2-3,5-6	Connected terminals	2-1,5-4	Open	2-3,5-6
Schematic	2 Comm. 5		2 Comm. 5	Schematic	2 Comm. 5		2 Comm. 5



Mounting style
With mounting ears(Panel mounting) Unit: Inch/ mm

VV IUII	With mounting ears(Panel mounting)						
	Y1						
	Actuator S1, S2	2, S3, S4, S5, S6	Actuator S7				
	Model S1, S3	Model S2 Three positions only					
SPDT	240 6.10 19.56 6.10 17.53 19.56 6.10 17.53 19.59 17.53 19.59 17.53 19.59 17.53 19.59 17.53 19.59	770 280 690 17.53 R.005 R0.13 MAX.					
	Model D1	Model D2 Three positions only	Model D1				
DPDT	770 19.56 17.53 R0.13 MAX. 2.55 R0.13 MAX. 2.55 R0.13 MAX. 2.55 6.48 17.53 92.39	280 7.10 .770 19.56 .770 .890 .700	338 8.59 				



Mounting style Unit: Inch/ mm

Without mounting ears(PC mounting)

	Y2						
	Actuator S1, S2	Actuator S7					
	Model S1, S3	Model S2 Three positions only					
SPDT	260 6.60 .500 12.70	260 6.60 280 7.10 12.70					
	Model D1	Model D2 Three positions only	Function D1				
DPDT	240 6.10 12.70 	.500 12.70 280 7.10 450 11.43	.500 12.70 .450 11.43				

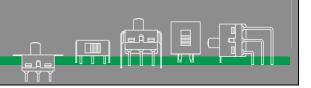
Unit: Inch/ mm **Actuators**

S1	S2	S3	S4	
STD	FRONT	.152 3.86 - 370 9.40 .152	FRONT	
152 3.86	152 3.86 .285 .152 7.24 3.86	9,40 ,152	152 3.86 3.56 3.86 3.86	
S5	S6	S7	Actuators S6 only for S1, S3,	
.152 3.86 - 12.32 FRONT	FRONT	Only DPDT FRONT	D1, D2 model type.	
3.86	.152 3.86 1.30	152 3.86 3.86 200 5.08 8.26	Subtract .014(0.36) from Actuator height for M6, M7, V2 P.C. mounting option.	

Terminations & Sealing

Terminations & Sealing				Unit: Inch/ mm
M1□□	M1□□-E	M2□□		M2 □□-E
Solder, W/o epoxy seal	Solder, With epoxy seal	PCB through hole, W/o epoxy seal		PCB through hole, with epoxy seal
.078 1.98 .047 .080 2.03	EPOXY .156 3.96 .047 .047 .199 .2.03	.050 1.27		EPOXY 260 5.10 6.60 5.10 1.27
.030(0.76) THK.	.030(0.76) THK.	.030(0.76) THK.		.030(0.76) THK.
M3 Quick connect	M3 Quick connect M5□ Wire wrap			
<u></u>	0.075	Option code	Dim. 'A'	
EPOXY 260 SEAL 260 5.10 6.60	EPOXY A' SEAL 'A' .050 1.27	M51	.736(18.70)	
.062		M52	.953(24.20)	
		M53	.415(10.55)	
.030(0.76) THK.	.030(0.76) THK.	M54	1.062(26.97)	

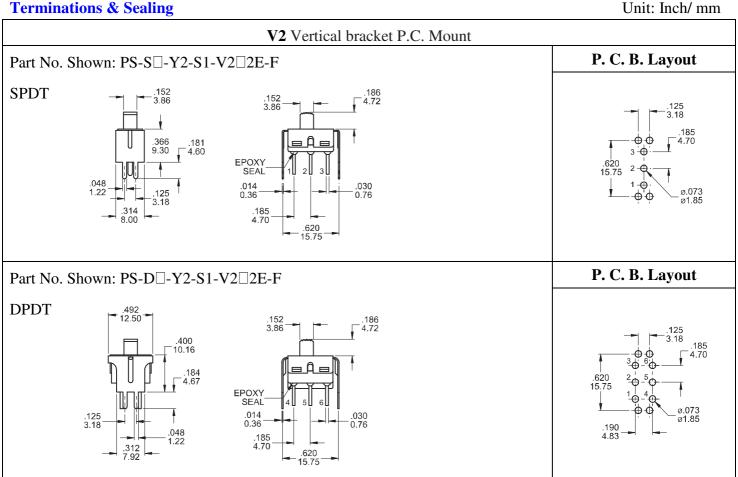




Terminations & Sealing

Unit: Inch/ mm M6 Right angle P.C. Mount P. C. B. Layout Part No. Shown: PS-S□-Y2-S1-M6□2E-F **SPDT** EPOXY SEAL .260 6.60 .375 9.53 ø 073 .375 9.53 .014 0.36 SECTION A-A TERM.NOS.FOR REFERENCE ONLY P. C. B. Layout Part No. Shown: PS-D□-Y2-S1-M6□2E-F **DPDT** .152 3.86 .050 1.27 .500 12.7 .150 3.81 SECTION A-A TERM.NOS.FOR REFERENCE ONLY M7 Vertical right angle P.C. Mount P. C. B. Layout Part No. Shown: PS-S□-Y2-S1-M7□2E-F **SPDT** .152 3.86 ø 073 .400 10.16 .014 0.36 .030 0.76 .175 4.45 .400 10.16 SECTION A-A TERM.NOS.FOR REFERENCE ONLY P. C. B. Layout Part No. Shown: PS-D□-Y2-S1-M7□2E-F **DPDT** EPOXY SEAL .152 3.86 ø.073 ø1.85 .048 1.22 SECTION A-A TERM.NOS.FOR REFERENCE ONLY

Terminations & Sealing



Contact Plating & Ratings

Option code	Contact plating	Terminal plating	Ratings
G	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
S	Silver	Silver	5 Amps with resistant load @ 120VAC or 28VDC
A	Gold over silver	Gold over silver	2 Amps with resistant load @ 250VAC

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: 270 ± 5 °C.

Duration of solder immersion: Max 5 sec. (PCB is 1.6mm in thickness).