

FEATURES

- Wave solderable.
- Fully sealed for process compatibility.
- SPDT & DPDT models.
- Compact case size with ESD protection options.
- Agency recognition (see below).

SPECIFICATIONS

Contact ratings (resistive loads): Gold plated brass; 0.4 Volt-Amps max. at 20 V max.

Silver; 2 Amps at 250 VAC, 5 Amps at 125 VAC or 4 Amps at 30 VDC. Gold plated silver; 2 Amps at 250 VAC, 5 Amps at 125 VAC or 4 Amps at 30

VDC. Gold plating withstands up to 300 mA at 30 VDC.

Initial contact resistance: 10 milliohms maximum
Insulation resistance: 1000 megohms minimum
Dielectric strength: 1000 V rms minimum

Electrical life: Gold: 2 positions - 100,000 cycles min. 3 positions - 50,000 cycles min.

Silver: 40,000 cycles minimum.

Operating temperature range: -20°C to +85°C

Washing: Permissible with water, detergents and freons.

MATERIALS

Contacts & Terminals: Gold plated brass, silver or gold plated silver

Actuator: Chrome plated brass
Bracket: Tin plated steel

Case: UL94V-0 - Polyamide, glass filled or PES

Terminal seal: Epoxy

AGENCY RECOGNITION

UL, CECC, GAM T1 (military)

Availability: consult factory for details of recognized models.

Marking: to order switches marked UL or CECC, complete the appropriate box of the ordering

GAM T1 listing does not appear on the switches.

ABOUT THIS SERIES

The material in this series is organized in the following sequence:

- a. Completely specified switch models
- b. 'build your own switch' order format
- c. Option drawings & special options
- d. Miscellaneous







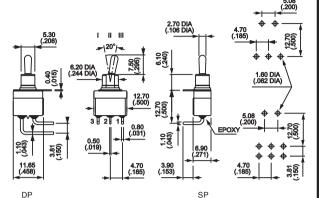
Horizontal right angle terminals - .185" spacing - gold plated brass contacts



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

SINGLE POLE	DOUBLE POLE				
MODEL NO.	MODEL NO.	CIRCUIT			
SW236CD7	SW246CD7	ON	-	ON	
SW239CD7	SW249CD7	ON	OFF	ON	
SW237CD7	SW247CD7	MOM	OFF	MOM	
SW238CD7	SW248CD7	ON	OFF	MOM	
SW232CD7	SW242CD7	ON	-	MOM	
-	SW244THCD7*	ON	ON	ON	
Handle position	(see dwg.):	III	II	I	
Terminals conne	ected: SP & DP	2-3		2-1	
	DP	5-6		4-5	

^{*} Function 4: SP in DP case - see diagram at end of section.

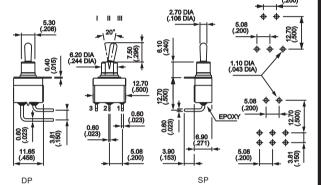


Horizontal right angle terminals - .200" spacing - gold plated brass contacts



SINGLE POLE MODEL NO.	DOUBLE POLE MODEL NO.	CIRCUIT		
SW036CD7	SW046CD7	ON	-	ON
SW039CD7	SW049CD7	ON	OFF	ON
SW037CD7	SW047CD7	MOM	OFF	MOM
SW038CD7	SW048CD7	ON	OFF	MOM
SW032CD7	SW042CD7	ON	-	MOM
-	SW044THCD7*	ON	ON	ON
Handle position	(see dwg.):	III	II	I
Terminals conne	ected: SP & DP	2-3		2-1
	DP	5-6		4-5

 $^{^{\}star}$ Function 4: SP in DP case - see diagram at end of section.

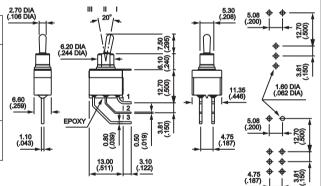


Vertical right angle terminals - gold plated brass contacts



SINGLE POLE MODEL NO.	DOUBLE POLE MODEL NO.	CIRCUIT		
SWW236CD7	SWW246CD7	ON	-	ON
SWW239CD7	SWW249CD7	ON	OFF	ON
SWW237CD7	SWW247CD7	MOM	OFF	MOM
SWW238CD7	SWW248CD7	ON	OFF	MOM
SWW232CD7	SWW242CD7	ON	-	MOM
-	SWW244THCD7*	ON	ON	ON
Handle position	(see dwg.):	III	II	I
Terminals conne	ected: SP & DP	2-3		2-1
	DP	5-6		4-5

^{*} Function 4: SP in DP case - see diagram at end of section.

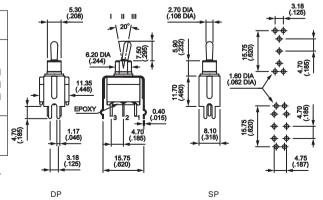


Straight p.c. terminals - mounting bracket - gold plated brass contacts



SINGLE POLE	DOUBLE POLE			
MODEL NO.	MODEL NO.	CIRCUIT		
SY236CD7	SY246CD7	ON	-	ON
SY239CD7	SY249CD7	ON	OFF	ON
SY237CD7	SY247CD7	MOM	OFF	MOM
SY238CD7	SY248CD7	ON	OFF	MOM
SY232CD7	SY242CD7	ON	-	MOM
-	SY244THCD7*	ON	ON	ON
Handle position	(see dwg.):	III	II	I
Terminals conne	ected: SP & DP	2-3		2-1
	5-6		4-5	

 $^{^{\}star}$ Function 4: SP in DP case - see diagram at end of section.



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Additional ordering information: Commonly ordered models are shown above with complete model numbers and specifications. Below is an order format that enables you to 'build your own switch' and specify the correct switch model number by simply selecting from all available options shown and filling in the boxes.

'BUILD YOUR OWN SWITCH' ORDER FORMAT

Fill in boxes with selections shown for **Model Structure**, then add **Options** selections for complete model number.

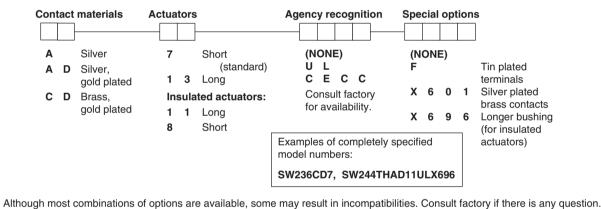
Allowable options are shown below each respective box.

Note: 'NONE' indicates box may be left empty.

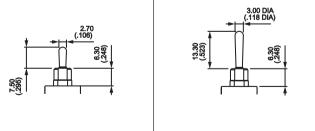
Model Structure:

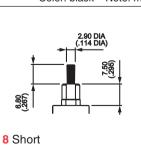
Series	es Terminals Bushing		ıg & t	erminals	Number of	poles	Electric	al fu	ıncti	ions		
S			-									
	W	horizontal	2	Terminal spacing	3	Single pole	6			ON	-	ON
		rt. angle mtg.		.185" (4,7mm) or	4	Double pole	9			ON	OFF	ON
	w w	vertical	0	.150" (3,81mm) Terminal spacing			7			MOM	OFF	MOM
	Υ	rt. angle mtg. Bracket mtg.	0	.200" (5,08mm)			8			ON	OFF	MOM
ĭ	Y	Bracket mig.	(SY & SW models)			2			ON	-	MOM	
			All	models have plain bushi	ing		4	Т	Н	ON	ON	ON

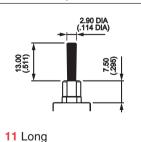
Options:



ACTUATORS CHROME PLATED BRASS INSULATED Protects against electrostatic discharges (ESD) up to 12 KV. Color: black Note: must be ordered with option X696.







SPECIAL OPTIONS

7 Standard

F Tin plated terminals.

X601 Silver plated brass contacts. Lower rating. Minimum quantity: 5000 pcs.

X696 Longer bushing - .295" (7.5mm). Specify for actuators 8 and 11.

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13 Long

A18 APEM, PO BOX 8288, HAVERHILL, MA USA 01835-0788 TOLL FREE: (877) 246-7890 FAX: (781) 245-4531 E-mail: info@apem.com

OPTION DRAWINGS & MISCELLANEOUS INSULATING CAPS (replace '0' in part numbers with color code) blue black 2 3 green SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE grey yellow 3.50 (.137 DIA) red 7/1 white orange U270 For actuator 13 U1710 For actuator 7 **WIRING for function 4 switch** Above diagrams are viewed from bottom of switch. Equivalent to single pole 3 throw switch. Dotted lines between terminals 2 & 6 and 8 & 12 indicate external jumpers to be added by customer

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