

GENERAL SPECIFICATIONS FOR SW3800s

Electrical Capacity (Resistive & Inductive Load)

Power Level: Shown in the following tables

Note: See Supplement Index (page Z1) for details of design for inductive DC loads.

Other Ratings

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC
Dielectric Strength:	2,000V AC minimum
Mechanical Life:	50,000 operations minimum
Electrical Life:	25,000 operations minimum
Angle of Throw:	Shown on following drawings
Nominal Operating Force:	2,450 grams for SW3822
	2,600 grams for SW3823 Off to On
	1,000 grams for SW3823 On to Off

Materials & Finishes

Rocker:	Urea resin; all rockers are white.
Mounting Frame:	Steel with zinc plating
Case & Case Cover:	Phenolic resin
Movable Contacts:	Copper with silver plating
Stationary Contacts:	Silver alloy plus copper with silver plating
Terminals:	Brass (terminal screws of brass with nickel plating)

Environmental Data

Operating Temp Range: -10°C through +70°C (+14°F through +158°F)

Standards & Certifications

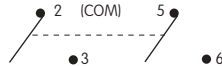
UL recognition & CSA certification symbols shown on following pages
See Supplement Index (page Z1) to find additional details.

DOUBLE POLE WITH SCREW LUG

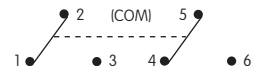
Model	Approvals	Pole	Rocker Position/Connected Terminals				Electrical Capacity					
			Down	Center	Up		Resistive				Inductive	
							AC 125V	AC 250V	DC 30V	DC 125V	AC 125V PF 0.6	AC 250V PF 0.6
SW3821	UL	DPST	ON 2-3 5-6	NONE	OFF —		30A	30A	30A	1A	30A	15A
SW3822	UL	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4		30A	30A	30A	1A	30A	15A
SW3823	UL	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4		30A	30A	30A	1A	30A	15A
SW3821D	UL	DPST	ON 2-3 5-6	NONE	OFF —		—	—	30A	15A	—	—
SW3822D	UL	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4		—	—	30A	15A	—	—
SW3823D	UL	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4		—	—	30A	15A	—	—

Throw & Schematic:

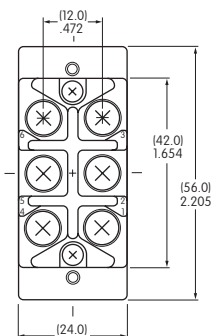
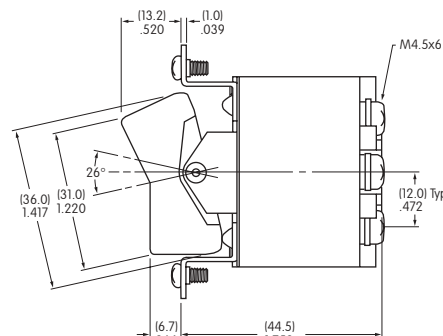
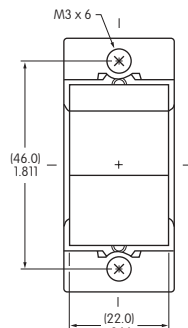
DPST



DPDT



Note: Terminal numbers are on the switch.



SW3822

SW3821 & SW3821D do not have terminals 1 & 4.

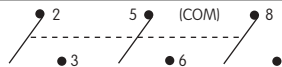
Maximum Effective Panel Thickness 4.5mm (.177")
Panel cutout shown below

THREE POLE WITH SCREW LUG

Model	Approvals	Pole	Rocker Position/Connected Terminals				Electrical Capacity					
			Down	Center	Up		Resistive				Inductive	
							AC 125V	AC 250V	DC 30V	DC 125V	AC 125V PF 0.6	AC 250V PF 0.6
SW3831	UL	3PST	ON 2-3 5-6 8-9	NONE	OFF —		30A	30A	30A	1A	30A	15A
SW3832	UL	3PDT	ON 2-3 5-6 8-9	NONE	ON 2-1 5-4 8-7		30A	30A	30A	1A	30A	15A
SW3833	UL	3PDT	ON 2-3 5-6 8-9	OFF	ON 2-1 5-4 8-7		30A	30A	30A	1A	30A	15A
SW3831D	UL	3PST	ON 2-3 5-6 8-9	NONE	OFF —		—	—	30A	15A	—	—
SW3832D	UL	3PDT	ON 2-3 5-6 8-9	NONE	ON 2-1 5-4 8-7		—	—	30A	15A	—	—
SW3833D	UL	3PDT	ON 2-3 5-6 8-9	OFF	ON 2-1 5-4 8-7		—	—	30A	15A	—	—

Throw & Schematic:

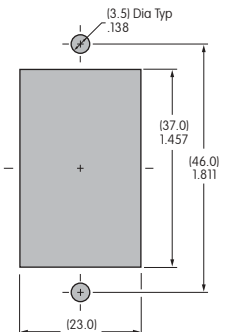
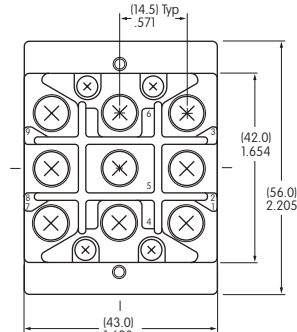
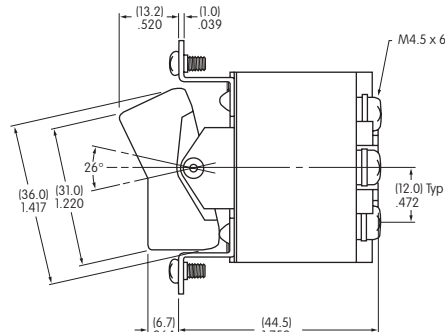
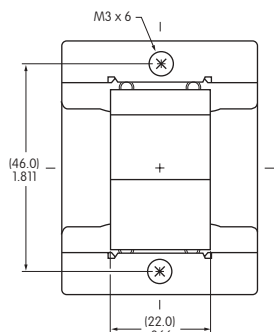
3PST



3PDT



Note: Terminal numbers are on the switch.



SW3831 & SW3831D do not have terminals 1, 4, & 7.

Maximum Effective Panel Thickness 4.5mm (.177").