

GENERAL SPECIFICATIONS FOR S800s ~ S732

Electrical Capacity (Resistive & Inductive Load)

Power Level: Shown in the following tables

Other Ratings

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC
Dielectric Strength:	2,000V AC minimum for 1 minute minimum for S800s & S800Ds 3,000V AC minimum for 1 minute minimum for S732
Mechanical Life:	50,000 operations minimum
Electrical Life:	10,000 operations minimum for S800Ds 25,000 operations minimum for S800s & S732

Materials & Finishes

Toggle:	Brass with nickel plating for S732 Brass with chrome plating for S800s & S800Ds
Bushing:	Brass with chrome plating
Case:	Phenolic resin for S732; melamine phenol for S800s
Case Cover:	Steel with chromate plating over zinc plating
Movable Contactor Plate:	Copper with silver plating
Movable & Stationary Contacts:	Silver alloy capped on copper with silver plating
Common Terminals:	Brass
Contact Terminals:	Brass with silver or nickel plating

Environmental Data

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

Installation

Mounting Torque:	2.94Nm (26 lb•in) for double nut
Maximum Panel Thickness:	Shown beneath panel cutout in switch dimension drawings

Standards & Certifications

UL:	File No. E44145 - Recognized only when ordered with marking on switch. Add "/U" or "/CUL" to end of part number to order UL recognized switch. UL or cULus recognition designated beside part numbers on following pages. See Supplement section to find UL or cULus rating details.
CSA:	File No. 023535_0_000 - Certified only when ordered with marking on switch. Add "/C" to end of part number to order CSA certified switch. CSA certification designated beside part numbers on following pages. See Supplement section to find CSA rating details.

A
Toggles

Rockers

Pushbuttons

Pushbuttons
Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt







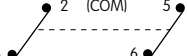
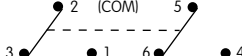
Touch

Indicators

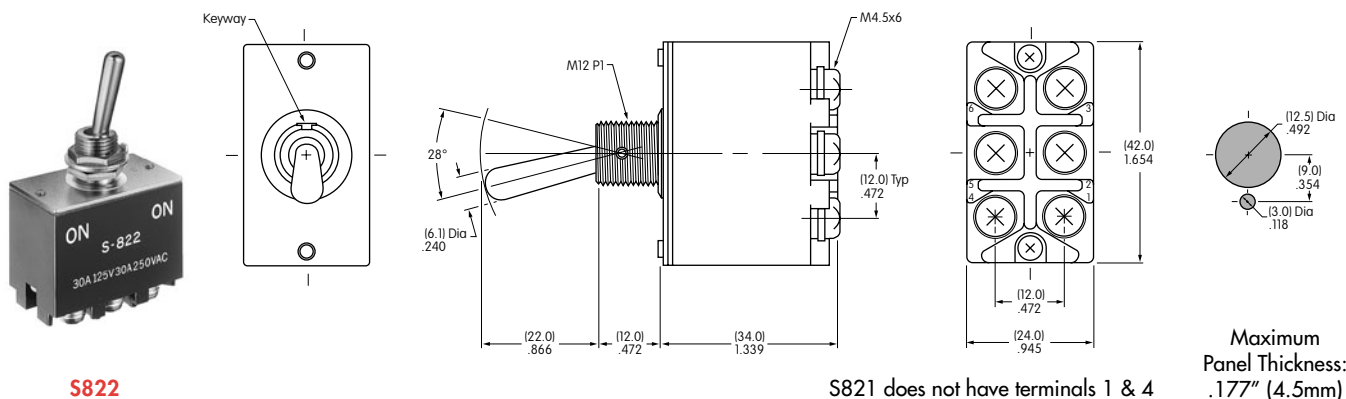
Accessories

Supplement

DOUBLE POLE WITH SCREW LUG

* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)				Toggle Position/Connected Terminals				Electrical Capacity						
Model	* Approvals			Pole & Throw	Down	Center	Up	Resistive				Inductive		Motor Load
								AC 125V	AC 250V	DC 30V	DC 125V	AC 125V PF 0.6	AC 250V PF 0.6	AC 125V
S821	✓	✓	✓	DPST	ON 2-3 5-6	NONE	OFF —	30A	30A	30A	1A	30A	15A	750W
S822	✓	✓	✓	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4	30A	30A	30A	1A	30A	15A	—
S823	✓	✓	✓	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4	30A	30A	30A	1A	30A	15A	—
Throw & Schematics:				DPST				DPDT				Note: Terminal numbers are on the switch		

Notes: Standard Hardware: AT503M Face Hex Nut, AT506M Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
Optional Splashproof Boot Assembly: AT401 boot plus hex nut & o-ring. See Accessories & Hardware section.







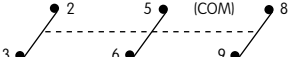
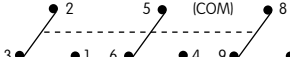


S822

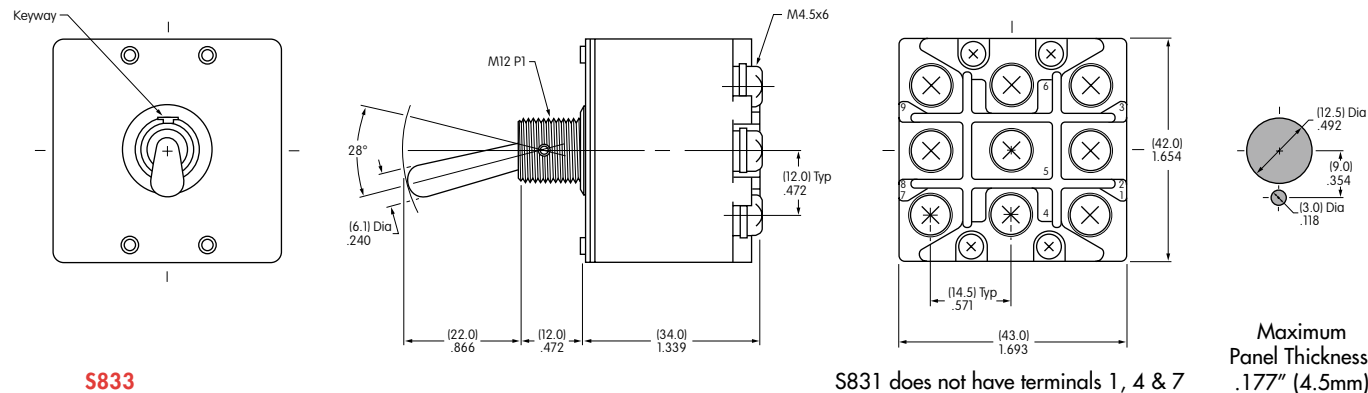
S821 does not have terminals 1 & 4

Maximum Panel Thickness: .177" (4.5mm)

THREE POLE WITH SCREW LUG

* UL, cULus & CSA recognized only when ordered with marking on switch (see General Specs)				Toggle Position/Connected Terminals					Electrical Capacity								
Model	* Approvals			Pole & Throw	Down 			Center 	Up 	Resistive				Inductive			
										AC 125V	AC 250V	DC 30V	DC 125V	AC 125V PF 0.6	AC 250V PF 0.6		
S831	✓	✓	✓	3PST	ON	2-3	5-6	8-9	NONE	OFF	—	30A	30A	30A	1A	30A	15A
S832	✓	✓	✓	3PDT	ON	2-3	5-6	8-9	NONE	ON	2-1 5-4 8-7	30A	30A	30A	1A	30A	15A
S833	✓	✓	✓	3PDT	ON	2-3	5-6	8-9	OFF	ON	2-1 5-4 8-7	30A	30A	30A	1A	30A	15A
Throw & Schematics:				3PST					3PDT					Note: Terminal numbers are on the switch			

Notes: Standard Hardware: AT503M Face Hex Nut, AT506M Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
Optional Splashproof Boot Assembly: AT401 boot plus hex nut & o-ring. See Accessories & Hardware section.



S833

S831 does not have terminals 1, 4 & 7

Maximum Panel Thickness: .177" (4.5mm)