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

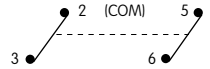
UL Recognized: Designated with UL recognized symbol beside part numbers on following pages
See Supplement section to find UL rating details. UL File No. WOYR2.E44145
Add "/U" to end of part number to order UL mark on switch.
C-UL Recognized: Designated with C-UL recognized symbol beside part numbers on following pages
See Supplement section to find C-UL rating details. C-UL File No. WOYR8.E44145
Add "/C-UL" to end of part number to order C-UL mark on switch.
CSA Certified: Designated with CSA certified symbol beside part numbers on following pages
See Supplement section to find CSA rating details. File No. 023535-0-000
Add "/C" to end of part number to order CSA mark on switch.

DOUBLE POLE WITH SCREW LUG

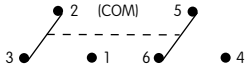
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals: Down (Keyway)	Center	Up	Electrical Capacity: Resistive AC 125V	Resistive AC 250V	Resistive DC 30V	Resistive DC 125V	Inductive AC 125V PF 0.6	Inductive AC 250V PF 0.6	Motor Load AC 125V
S821		DPST	ON 2-3 5-6	NONE	OFF —	30A	30A	30A	1A	30A	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

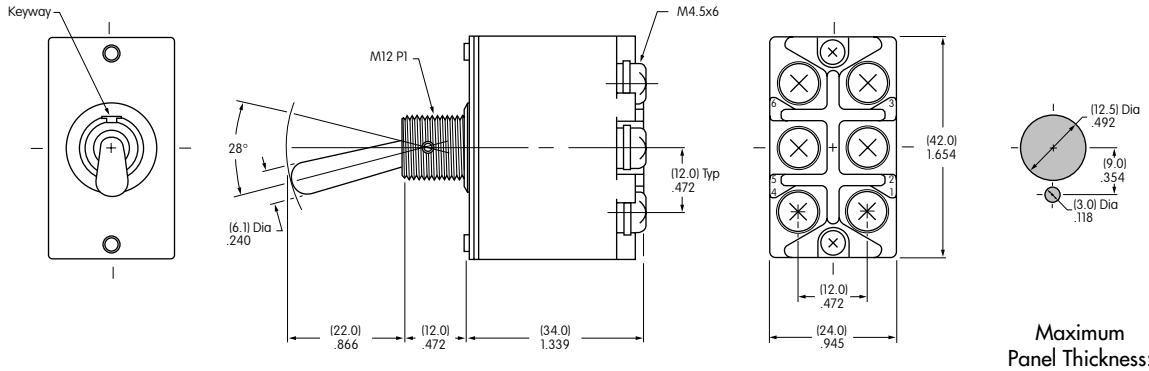


Note: Terminal numbers are on the switch

- Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



S822



S821 does not have terminals 1 & 4

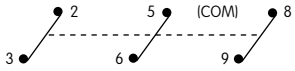
Maximum Panel Thickness: .177" (4.5mm)

THREE POLE WITH SCREW LUG

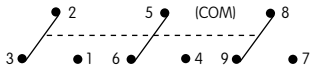
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals: Down (Keyway)	Center	Up	Electrical Capacity: Resistive AC 125V	Resistive AC 250V	Resistive DC 30V	Resistive DC 125V	Inductive AC 125V PF 0.6	Inductive AC 250V PF 0.6
S831		3PST	ON 2-3 5-6 8-9	NONE	OFF —	30A	30A	30A	1A	30A	15A
S832		3PDT	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

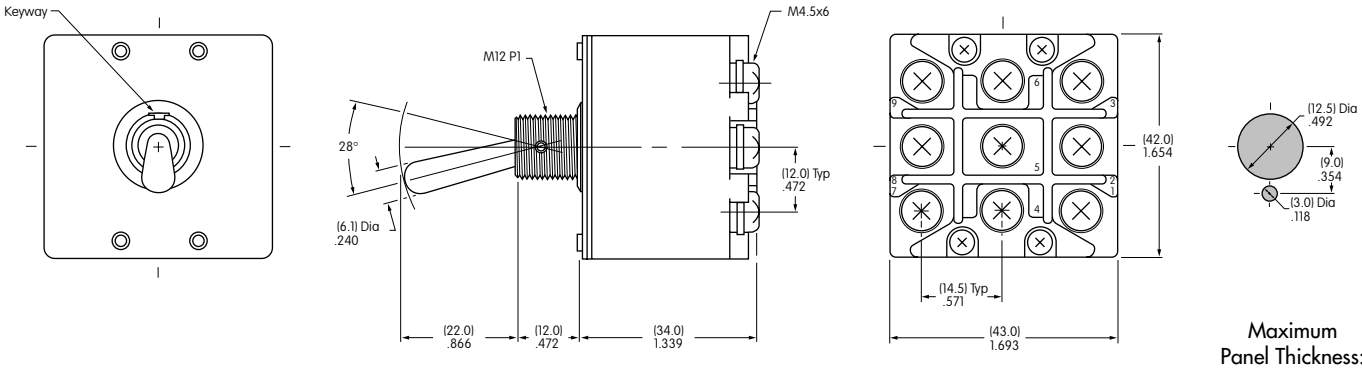


3PDT



Note: Terminal numbers are on the switch

- Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.

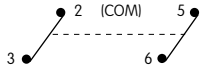
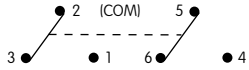
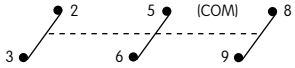
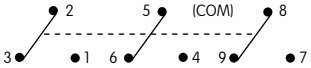


S833

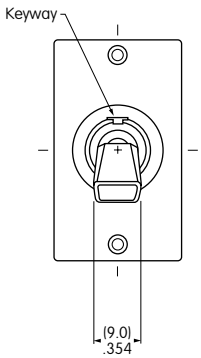
S831 does not have terminals 1, 4 & 7

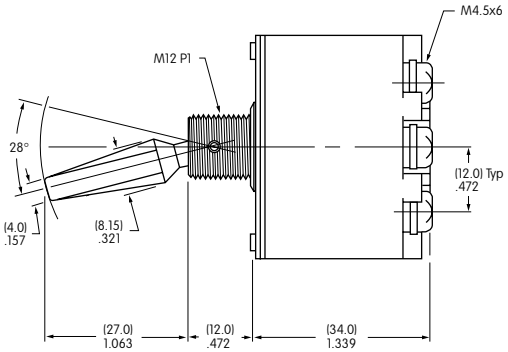
Maximum Panel Thickness: .177" (4.5mm)

DOUBLE & THREE POLE WITH SCREW LUG & FLATTED LEVER

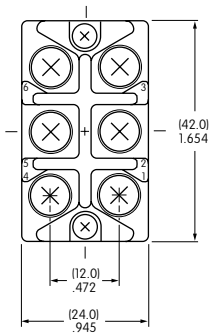
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals: Down (Keyway)	Center	Up	Electrical Capacity: Resistive DC 30V	DC 48V	DC 125V	DC 250V	Inductive L/R = 3ms DC 24V	DC 48V	DC 125V	DC 250V
S821D		DPST	ON 2-3 5-6	NONE	OFF —	30A	30A	15A	7.5A	15A	10A	6A	3A
S822D		DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4	30A	30A	15A	7.5A	15A	10A	6A	3A
S823D		DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4	30A	30A	15A	7.5A	15A	10A	6A	3A
Throw & Schematics:	DPST 				DPDT 					Note: Terminal numbers are on the switch			
S831D		3PST	ON 2-3 5-6 8-9	NONE	OFF —	30A	30A	15A	7.5A	15A	10A	6A	3A
S832D		3PDT	ON 2-3 5-6 8-9	NONE	ON 2-1 5-4 8-7	30A	30A	15A	7.5A	15A	10A	6A	3A
S833D		3PDT	ON 2-3 5-6 8-9	OFF	ON 2-1 5-4 8-7	30A	30A	15A	7.5A	15A	10A	6A	3A
Throw & Schematics:	3PST 				3PDT 					Note: Terminal numbers are on the switch			

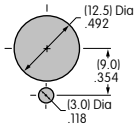
• Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.





Double Pole



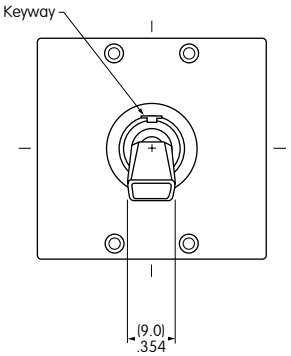


Maximum Panel Thickness: .177" (4.5mm)

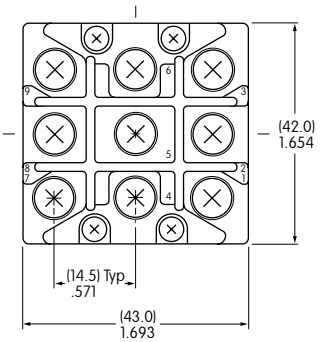
S821D does not have terminals 1 & 4



S832D



Three Pole

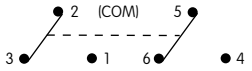


S831D does not have terminals 1, 4 & 7
Positive (+) must be connected to end terminals & negative to common terminals

DOUBLE POLE WITH SCREW LUG

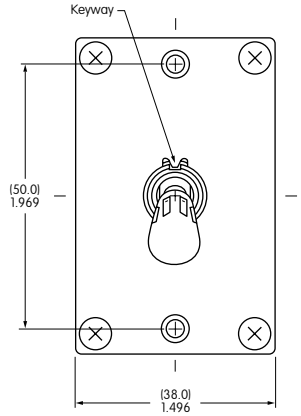
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals: Down (Keyway)	Center	Up	Electrical Capacity: Resistive AC 125V	Resistive AC 250V	Resistive DC 30V	Inductive AC 125V PF 0.6
S732	— —	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4	50A	30A	50A	25A

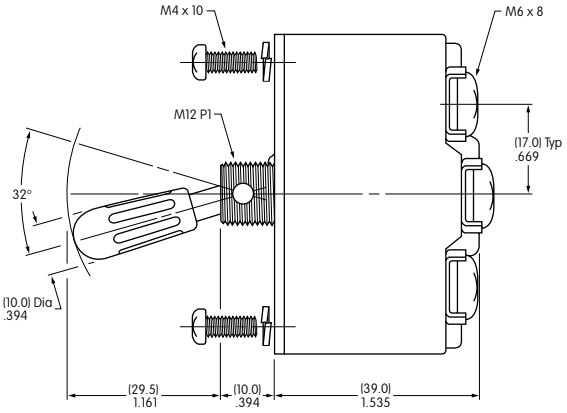
Throw & Schematics: DPDT

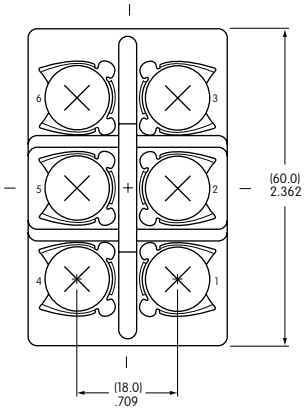


Note: Terminal numbers are on the switch

• Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.





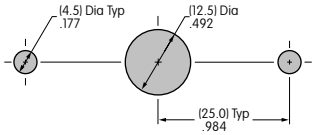


Cap of phenolic resin is black



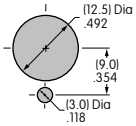
S732

Panel Mount with Mounting Screws

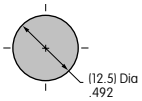


Maximum
Panel Thickness:
.158" (4.0mm)

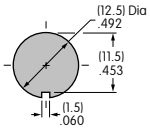
Panel Mount with Bushing Hardware



Maximum
Panel Thickness:
.079" (2.0mm)



Maximum
Panel Thickness:
.118" (3.0mm)



Maximum
Panel Thickness:
.118" (3.0mm)