

GENERAL SPECIFICATIONS FOR S301 ~ S339

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
Mechanical Life:	50,000 operations minimum
Electrical Life:	6,000 operations minimum for S331F; 15,000 operations minimum for all other S331s; 25,000 operations minimum for all others
Angle of Throw (α):	Shown on following tables

Materials & Finishes

Toggle:	PBT for flatted lever; brass with chrome plating for all others
Bushing:	Brass with chrome plating
Case:	Melamine phenol
Case Cover:	Steel with zinc plating
Movable Contactor:	Copper with silver plating
Movable & Stationary Contacts:	Silver alloy capped on copper with silver plating
Terminals:	Brass with silver plating

Installation

Mounting Torque:	2.94Nm (26 lb•in) for double nut; 1.47Nm (13 lb•in) for single nut
Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.

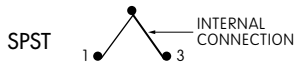
Standards & Certifications

UL Recognized:	Designated with UL recognized symbol beside part numbers on following pages 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 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 File No. 023535-0-000. Add "/C" to end of part number to order CSA mark on switch.

SINGLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary				Electrical Capacity				Angle of Throw
			Down 	Center 	Up 		Resistive			Inductive	
							AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S301	  	SPST	ON	1-3	NONE	OFF —	15A	6A	20A	10A	32°
S302	  	SPDT	ON	2-3	NONE	ON 2-1	15A	6A	20A	10A	32°
S303	  	SPDT	ON	2-3	OFF	ON 2-1	15A	6A	20A	10A	32°
S305	— — 	SPDT	ON	2-3	NONE	(ON) 2-1	15A	6A	20A	8A	32°
S308	— — 	SPDT	(ON)	2-3	OFF	(ON) 2-1	15A	6A	20A	8A	32°
S309	— — 	SPDT	ON	2-3	OFF	(ON) 2-1	15A	6A	20A	8A	32°

Throw & Schematics:

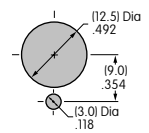
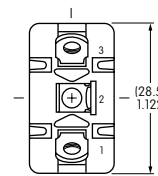
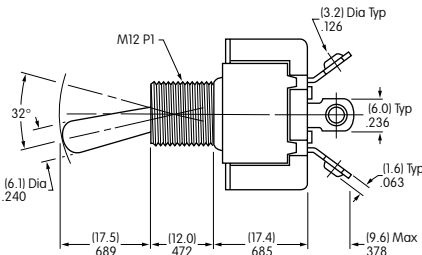
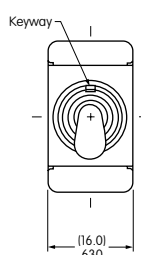


Note: Terminal numbers are actually on the switch

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



S301

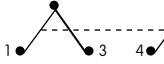
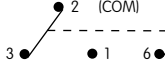


Maximum Panel Thickness: .185" (4.7mm)

S301 does not have terminal 2

DOUBLE POLE WITH SOLDER LUG

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary			Electrical Capacity				α = Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
			AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	AC 250V	DC 30V	AC 125V PF 0.6	
S331	  	DPST	ON 1-3 4-6	NONE	OFF —	25A	25A	25A	10A	25°
S332	  	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4	25A	15A	25A	10A	25°
S333	  	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4	25A	15A	25A	10A	30°
S335	  	DPDT	ON 2-3 5-6	NONE	(ON) 2-1 5-4	15A	6A	20A	8A	25°
S338	  —	DPDT	(ON) 2-3 5-6	OFF	(ON) 2-1 5-4	15A	6A	20A	8A	25°
S339	  —	DPDT	ON 2-3 5-6	OFF	(ON) 2-1 5-4	15A	6A	20A	8A	25°

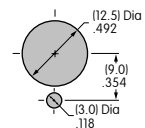
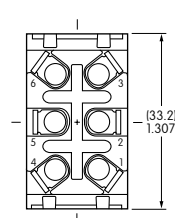
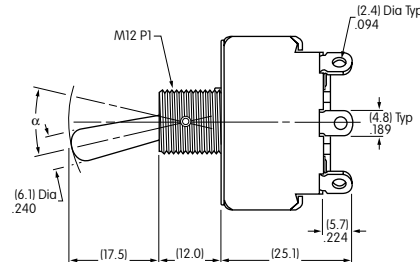
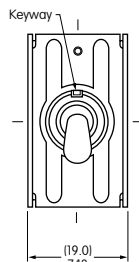
Throw & Schematics: DPST  INTERNAL CONNECTION DPDT 

Note: Terminal numbers are actually on the switch

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



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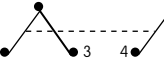
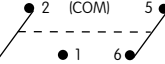


Maximum Panel Thickness: .185" (4.7mm)

S331 does not have terminals 2 & 5

DOUBLE POLE WITH SOLDER LUG & FLATTED LEVER

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary			Electrical Capacity				α = Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
			AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	AC 250V	DC 30V	AC 125V PF 0.6	
S331R	  —	DPST	ON 1-3 4-6	NONE	OFF —	25A	25A	25A	10A	25°
S332R	  —	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4	25A	15A	25A	10A	25°
S333R	  —	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4	25A	15A	25A	10A	30°
S338R	  —	DPDT	(ON) 2-3 5-6	OFF	(ON) 2-1 5-4	15A	6A	20A	8A	25°
S339R	  —	DPDT	ON 2-3 5-6	OFF	(ON) 2-1 5-4	15A	6A	20A	8A	25°

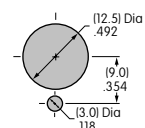
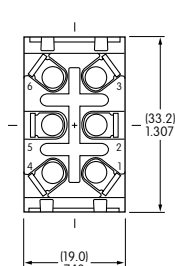
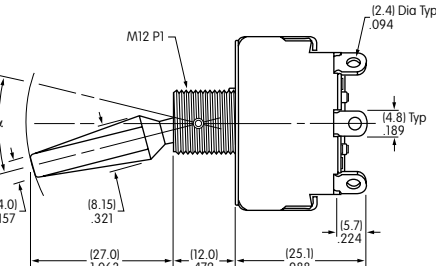
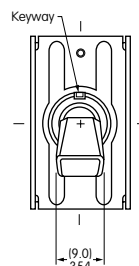
Throw & Schematics: DPST  INTERNAL CONNECTION DPDT 

Note: Terminal numbers are actually on the switch

- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



S331R



Maximum Panel Thickness: .220" (5.6mm)

S331R does not have terminals 2 & 5

SINGLE POLE WITH SCREW LUG

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary				Electrical Capacity				α = Angle of Throw
			Down 	Center 	Up 		Resistive			Inductive	
							AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S301T	  	SPST	ON 1-3	NONE	OFF —		15A	6A	20A	10A	32°
S302T	  	SPDT	ON 2-3	NONE	ON 2-1		15A	6A	20A	10A	32°
S303T	  	SPDT	ON 2-3	OFF	ON 2-1		15A	6A	20A	10A	32°
S305T	— — 	SPDT	ON 2-3	NONE	(ON) 2-1		15A	6A	20A	8A	32°
S308T	— — 	SPDT	(ON) 2-3	OFF	(ON) 2-1		15A	6A	20A	8A	32°
S309T	— — 	SPDT	ON 2-3	OFF	(ON) 2-1		15A	6A	20A	8A	32°

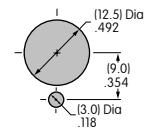
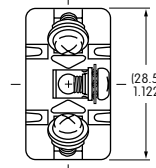
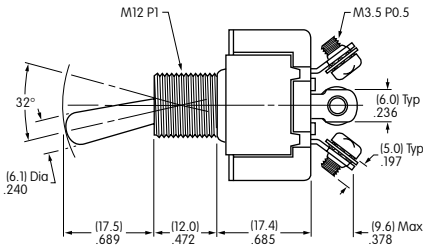
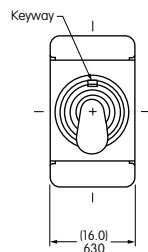
Throw & Schematics: SPST  INTERNAL CONNECTION  SPDT

Note: Terminal numbers are actually on the switch

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



S301T

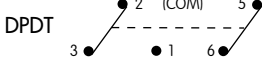


Maximum Panel Thickness: .185" (4.7mm)

S301T does not have terminal 2

DOUBLE POLE WITH SCREW LUG

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary				Electrical Capacity				α = Angle of Throw
			Down 	Center 	Up 		Resistive			Inductive	
							AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S331T	  —	DPST	ON 1-3 4-6	NONE	OFF —		15A	15A	15A	10A	25°
S332T	  —	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4		15A	15A	15A	10A	25°
S333T	  —	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4		15A	15A	15A	10A	30°
S335T	  —	DPDT	ON 2-3 5-6	NONE	(ON) 2-1 5-4		15A	6A	20A	8A	25°
S338T	  —	DPDT	(ON) 2-3 5-6	OFF	(ON) 2-1 5-4		15A	6A	20A	8A	25°
S339T	  —	DPDT	ON 2-3 5-6	OFF	(ON) 2-1 5-4		15A	6A	20A	8A	25°

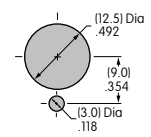
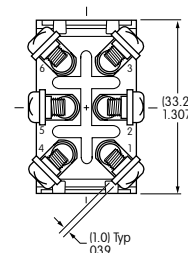
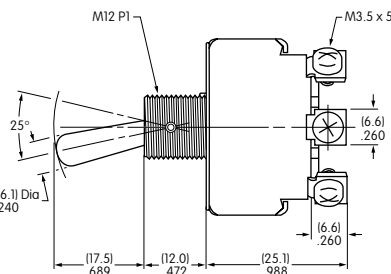
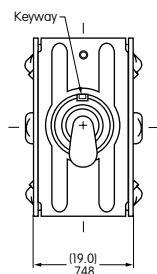
Throw & Schematics: DPST  INTERNAL CONNECTION  DPDT

Note: Terminal numbers are actually on the switch

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



S331T



Maximum Panel Thickness: .185" (4.7mm)

S331T does not have terminals 2 & 5

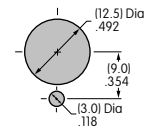
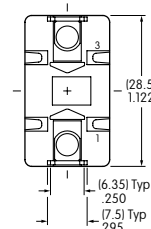
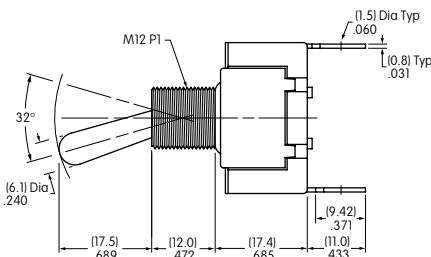
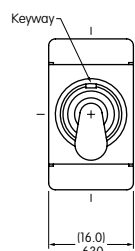
SINGLE POLE WITH QUICK CONNECT

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals				Electrical Capacity				α = Angle of Throw
			Down	Center	Up		Resistive			Inductive	
			Keyway 				AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S301F	  	SPST	ON 1-3	NONE	OFF —		15A	6A	20A	10A	32°
Throw & Schematics: SPST 							Note: Terminal numbers are actually on the switch				

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

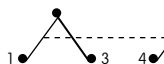
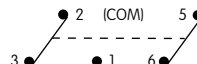


S301F



Maximum Panel Thickness: .185" (4.7mm)

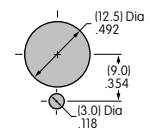
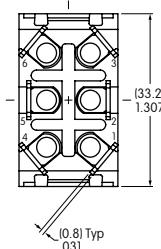
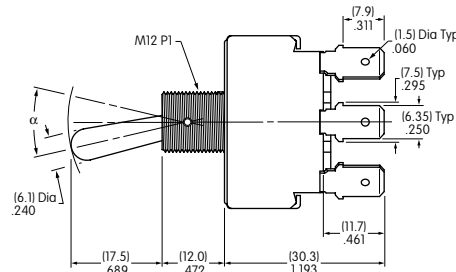
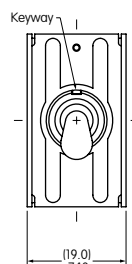
DOUBLE POLE WITH QUICK CONNECT

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals () = Momentary				Electrical Capacity				α = Angle of Throw
			Down	Center	Up		Resistive			Inductive	
			Keyway 				AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S331F	  —	DPST	ON 1-3 4-6	NONE	OFF —		25A	25A	25A	10A	25°
S332F	  —	DPDT	ON 2-3 5-6	NONE	ON 2-1 5-4		25A	15A	25A	10A	25°
S333F	  —	DPDT	ON 2-3 5-6	OFF	ON 2-1 5-4		25A	15A	25A	10A	30°
S335F	  —	DPDT	ON 2-3 5-6	NONE	(ON) 2-1 5-4		15A	6A	20A	8A	25°
Throw & Schematics: DPST  INTERNAL CONNECTION DPDT 							Note: Terminal numbers are actually on the switch				

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



S332F



Maximum Panel Thickness: .185" (4.7mm)

S331F does not have terminals 2 & 5

GENERAL SPECIFICATIONS FOR S31 ~ S49

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
Mechanical Life:	50,000 operations minimum
Electrical Life:	25,000 operations minimum
Angle of Throw (α):	Shown on following tables

Materials & Finishes

Toggle:	PBT resin for flatted lever; brass with chrome plating for all others
Bushing:	Brass with chrome plating
Case:	Phenolic resin
Case Cover:	Steel with chromate plating over zinc plating
Movable Contactor:	Copper with silver plating
Movable Contacts:	Silver alloy capped on copper with silver plating
Stationary Contacts:	Silver alloy capped on copper with silver plating
Terminals:	Brass with silver 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
Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.

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.

THREE POLE WITH SOLDER LUG

*See Supplement section for UL detail			Toggle Position/Connected Terminals () = Momentary					Electrical Capacity				
Model	Approvals	Pole & Throw	Down 	Center 	Up 			Resistive			Inductive AC 125V PF 0.6	α = Angle of Throw
								AC 125V	AC 250V	DC 30V		
S31	 *   	3PST	ON	1-3 4-6 7-9	NONE	OFF	—	25A	9A	20A	10A	25°
S32	 *   	3PDT	ON	2-3 5-6 8-9	NONE	ON	2-1 5-4 8-7	25A	9A	20A	10A	25°
S33	 *   	3PDT	ON	2-3 5-6 8-9	OFF	ON	2-1 5-4 8-7	25A	9A	20A	10A	30°
S35	   	3PDT	ON	2-3 5-6 8-9	NONE	(ON)	2-1 5-4 8-7	15A	6A	20A	8A	25°
S38	   	3PDT	(ON)	2-3 5-6 8-9	OFF	(ON)	2-1 5-4 8-7	15A	6A	15A	8A	25°
S39	   	3PDT	ON	2-3 5-6 8-9	OFF	(ON)	2-1 5-4 8-7	15A	6A	15A	8A	25°

Throw & Schematics:

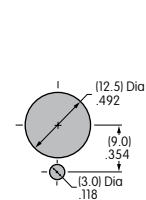
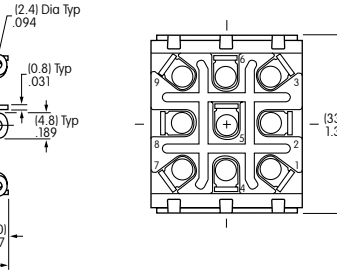
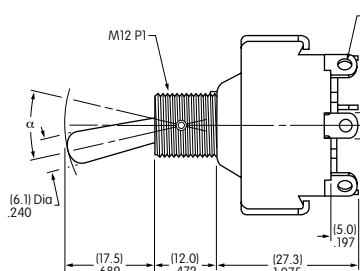
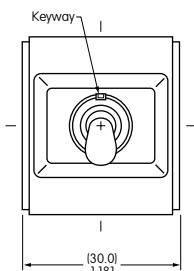


Note: Terminal numbers are on the switch

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



S32



Maximum Panel Thickness: .181" (4.6mm)

S31 does not have terminals 2, 5, & 8

FOUR POLE WITH SOLDER LUG

*See Supplement section for UL detail			Toggle Position/Connected Terminals () = Momentary					Electrical Capacity				
Model Suffix R = Flatted Lever	Approvals	Pole & Throw	Down 	Center 	Up 			Resistive			Inductive AC 125V PF 0.6	α = Angle of Throw
								AC 125V	AC 250V	DC 30V		
S41/S41R	 *   	4PST	ON	1-3 4-6 7-9 10-12	NONE	OFF	—	25A	9A	20A	10A	25°
S42/S42R	 *   	4PDT	ON	2-3 5-6 8-9 11-12	NONE	ON	2-1 5-4 8-7 11-10	25A	9A	20A	10A	25°
S43/S43R	 *   	4PDT	ON	2-3 5-6 8-9 11-12	OFF	ON	2-1 5-4 8-7 11-10	25A	9A	20A	10A	30°
S45	—	4PDT	ON	2-3 5-6 8-9 11-12	NONE	(ON)	2-1 5-4 8-7 11-10	15A	6A	20A	8A	25°
S48/S48R	  —	4PDT	(ON)	2-3 5-6 8-9 11-12	OFF	(ON)	2-1 5-4 8-7 11-10	15A	6A	20A	8A	25°
S49/S49R	  —	4PDT	ON	2-3 5-6 8-9 11-12	OFF	(ON)	2-1 5-4 8-7 11-10	15A	6A	20A	8A	25°

Throw & Schematics:

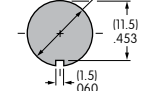
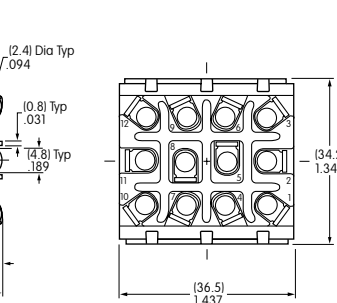
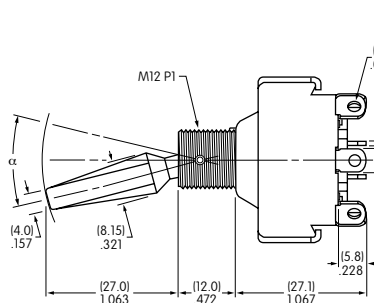
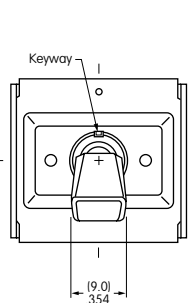


Note: Terminal numbers are on the switch

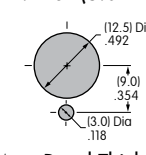
• Standard Hardware for **Bat Lever**: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut; for **Flatted Lever (R)**: AT504M Knurled Face Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section. • Optional Splashproof Boot Assembly: AT4181 boot plus hex nut and o-ring (only for bat lever models). See Accessories & Hardware section.



S42R



Max. Panel Thickness: .220" (5.6mm)



Max. Panel Thickness: .181" (4.6mm)

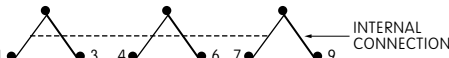
S41 and S41R do not have terminals 2, 5, 8, & 11

THREE POLE WITH SCREW LUG

*See Supplement section for CSA detail			Toggle Position/Connected Terminals				Electrical Capacity					
Model	Approvals	Pole & Throw	Down	Center	Up	Resistive			Inductive		α = Angle of Throw	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	AC 250V PF 0.6		
S31T	—   *	3PST	ON 1-3 4-6 7-9	NONE	OFF —	25A	9A	20A	10A	5A	25°	
S32T	—   *	3PDT	ON 2-3 5-6 8-9	NONE	ON 2-1 5-4 8-7	25A	9A	20A	10A	5A	25°	
S33T	—   *	3PDT	ON 2-3 5-6 8-9	OFF	ON 2-1 5-4 8-7	25A	9A	20A	10A	5A	30°	

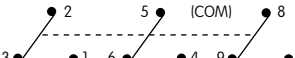
Throw & Schematics:

3PST



INTERNAL CONNECTION

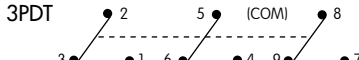
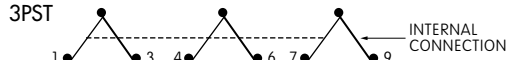
3PDT



(COM)

Note: Terminal numbers are on the switch

Throw & Schematics:

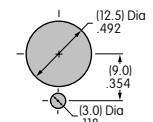
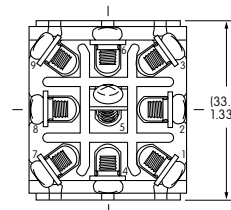
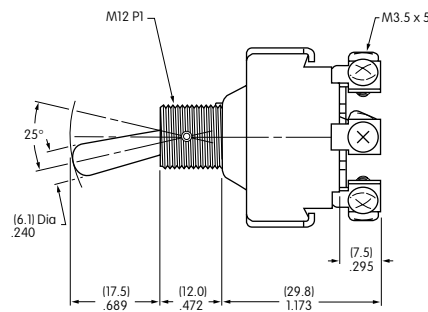
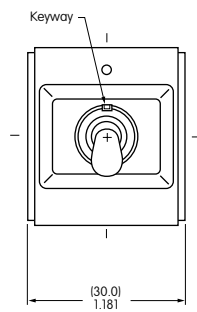


Note: Terminal numbers are on the switch

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



S32T



Maximum Panel Thickness: .181" (4.6mm)

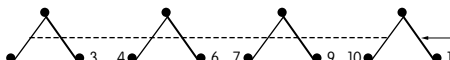
S31T does not have terminals 2, 5, & 8

FOUR POLE WITH SCREW LUG

*See Supplement section for CSA detail			Toggle Position/Connected Terminals						Electrical Capacity										
Model	Approvals	Pole & Throw	Down 				Center 	Up 			Resistive			Inductive		α = Angle of Throw			
			Keyway									AC 125V	AC 250V	DC 30V	AC 125V PF 0.6		AC 250V PF 0.6		
S41T	—  *	4PST	ON	1-3	4-6	7-9	10-12	NONE	OFF	—			25A	9A	20A	10A	5A	25°	
S42T	—  *	4PDT	ON	2-3	5-6	8-9	11-12	NONE	ON	2-1	5-4	8-7	11-10	25A	9A	20A	10A	5A	25°
S43T	—  *	4PDT	ON	2-3	5-6	8-9	11-12	OFF	ON	2-1	5-4	8-7	11-10	25A	9A	20A	10A	5A	30°

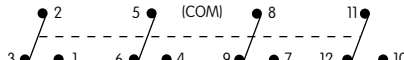
Throw & Schematics:

4PST



INTERNAL CONNECTION

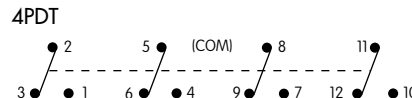
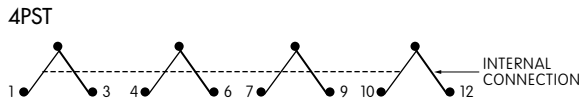
4PDT



(COM)

Note: Terminal numbers are on the switch

Throw & Schematics:

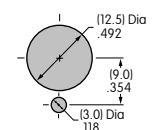
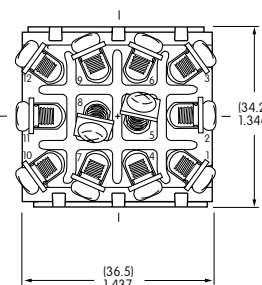
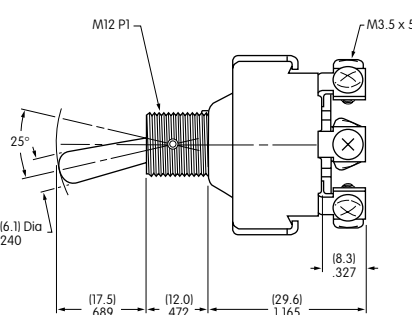
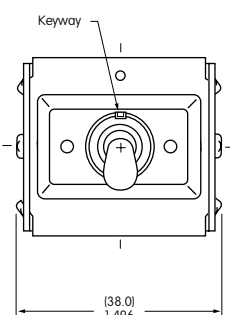


Note: Terminal numbers are on the switch

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



S42T



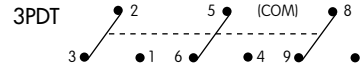
Maximum Panel Thickness: .181" (4.6mm)

S41T does not have terminals 2, 5, 8, & 11

THREE POLE WITH QUICK CONNECT

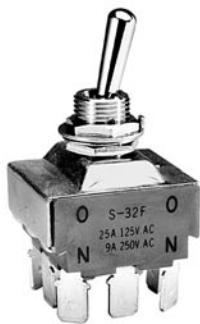
*See Supplement section for UL detail			Toggle Position/Connected Terminals			Electrical Capacity				α = Angle of Throw
Model	Approvals	Pole & Throw	Down	Center	Up	Resistive			Inductive	
			Keyway			AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S31F	UL *	3PST	ON 1-3 4-6 7-9	NONE	OFF —	25A	9A	20A	10A	25°
S32F	UL *	3PDT	ON 2-3 5-6 8-9	NONE	ON 2-1 5-4 8-7	25A	9A	20A	10A	25°
S33F	UL *	3PDT	ON 2-3 5-6 8-9	OFF	ON 2-1 5-4 8-7	25A	9A	20A	10A	30°

Throw & Schematics:

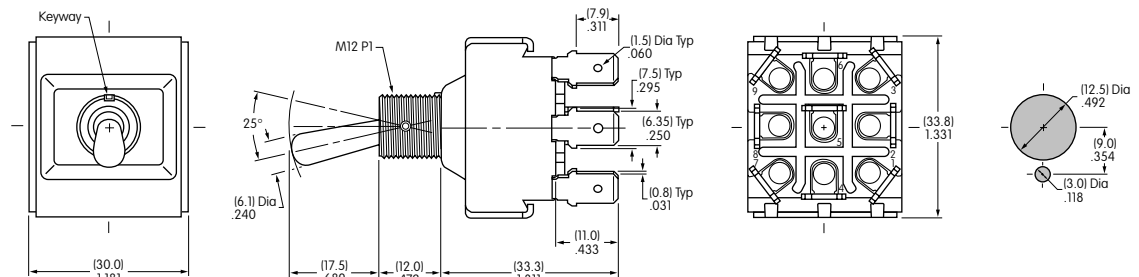


Note: Terminal numbers are on the switch

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



S32F



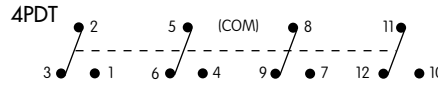
S31F does not have terminals 2, 5, & 8

Maximum Panel Thickness: .181" (4.6mm)

FOUR POLE WITH QUICK CONNECT

*See Supplement section for UL detail			Toggle Position/Connected Terminals			Electrical Capacity				α = Angle of Throw
Model	Approvals	Pole & Throw	Down	Center	Up	Resistive			Inductive	
			Keyway			AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S41F	UL *	4PST	ON 1-3 4-6 7-9 10-12	NONE	OFF —	25A	9A	20A	10A	25°
S42F	UL *	4PDT	ON 2-3 5-6 8-9 11-12	NONE	ON 2-1 5-4 8-7 11-10	25A	9A	20A	10A	25°
S43F	UL *	4PDT	ON 2-3 5-6 8-9 11-12	OFF	ON 2-1 5-4 8-7 11-10	25A	9A	20A	10A	30°

Throw & Schematics:

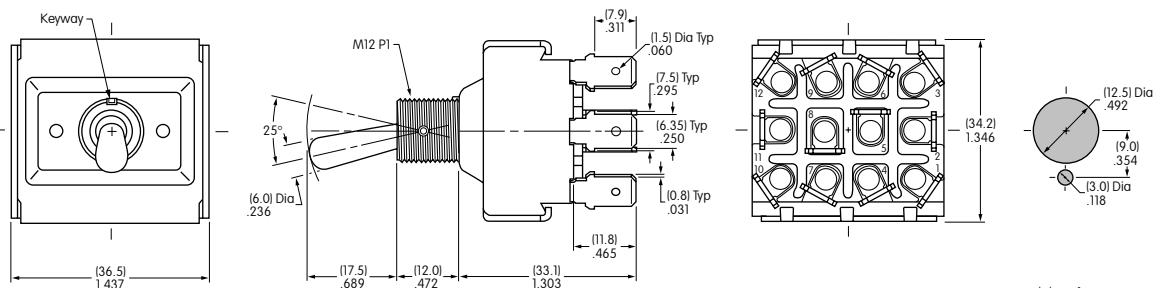


Note: Terminal numbers are on the switch

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



S42F



S41F does not have terminals 2, 5, 8, & 11

Maximum Panel Thickness: .181" (4.6mm)

GENERAL SPECIFICATIONS FOR S421 ~ S429

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
Mechanical Life:	50,000 operations minimum for all other models
Electrical Life:	15,000 operations minimum
Angle of Throw (α):	Shown in tables on following pages

Materials & Finishes

Toggle:	Brass with chrome plating
Bushing:	Brass with chrome plating
Case:	Melamine phenol
Case Cover:	Steel with chromate plating over zinc plating
Movable Contactor:	Copper with silver plating
Movable Contacts:	Silver alloy capped on copper with silver plating
Stationary Contacts:	Silver alloy capped on copper with silver plating
Terminals:	Brass with silver plating

Environmental Data

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

Installation

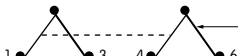
Mounting Torque:	2.94Nm (26 lb•in) for double nut
Maximum Panel Thickness:	Shown beneath panel cutout in switch dimension drawings
Soldering Time & Temperature:	Manual Soldering: See Profile A in Supplement section.

DOUBLE POLE WITH SOLDER LUG

			Toggle Position/Connected Terminals () = Momentary					Electrical Capacity					
Model	Approvals	Pole & Throw	Down 		Center 	Up 		Resistive		Inductive		Motor Load	α = Angle of Throw
							AC 125V	AC 250V	PF 0.75 - 0.8		AC 125V		
									AC 125V	AC 250V			
S421	— —	DPST	ON	1-3 4-6	NONE	OFF	—	25A	25A	25A	25A	750W	24°
S422	— —	DPDT	ON	2-3 5-6	NONE	ON	2-1 5-4	25A	25A	25A	25A	750W	24°
S423	— —	DPDT	ON	2-3 5-6	OFF	ON	2-1 5-4	25A	25A	25A	25A	750W	28°
S425	— —	DPDT	ON	2-3 5-6	NONE	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°
S428	— —	DPDT	(ON)	2-3 5-6	OFF	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°
S429	— —	DPDT	ON	2-3 5-6	OFF	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°

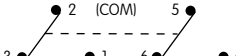
Throw & Schematics:

DPST



INTERNAL CONNECTION

DPDT



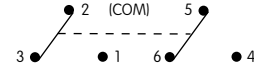
Note: Terminal numbers are on the switch

Throw & Schematics:

DPST



DPDT

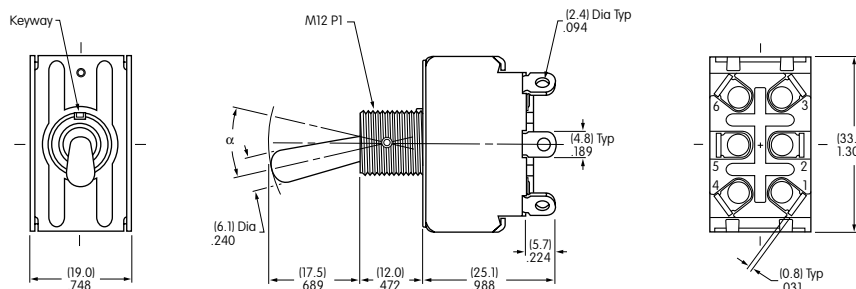


Note: Terminal numbers are on the switch

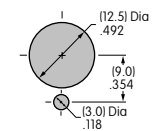
- Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



S422

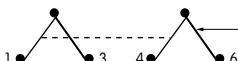
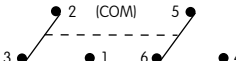


S421 does not have terminals 2 & 5



Maximum Panel Thickness: .185" (4.7mm)

DOUBLE POLE WITH SCREW LUG

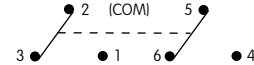
			Toggle Position/Connected Terminals () = Momentary					Electrical Capacity						
Model	Approvals	Pole & Throw	Down 		Center 	Up 		Resistive		Inductive		Motor Load	α = Angle of Throw	
							AC 125V	AC 250V	PF 0.75 - 0.8		AC 125V			
									AC 125V	AC 250V				
S421T	— —	DPST	ON	1-3 4-6	NONE	OFF	—	20A	20A	20A	20A	750W	24°	
S422T	— —	DPDT	ON	2-3 5-6	NONE	ON	2-1 5-4	20A	20A	20A	20A	750W	24°	
S423T	— —	DPDT	ON	2-3 5-6	OFF	ON	2-1 5-4	20A	20A	20A	20A	750W	28°	
S425T	— —	DPDT	ON	2-3 5-6	NONE	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°	
S428T	— —	DPDT	(ON)	2-3 5-6	OFF	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°	
S429T	— —	DPDT	ON	2-3 5-6	OFF	(ON)	2-1 5-4	15A	15A	15A	15A	400W	24°	
Throw & Schematics:												Note: Terminal numbers are on the switch		
DPST						INTERNAL CONNECTION			DPDT					

Throw & Schematics:

DPST



DPDT

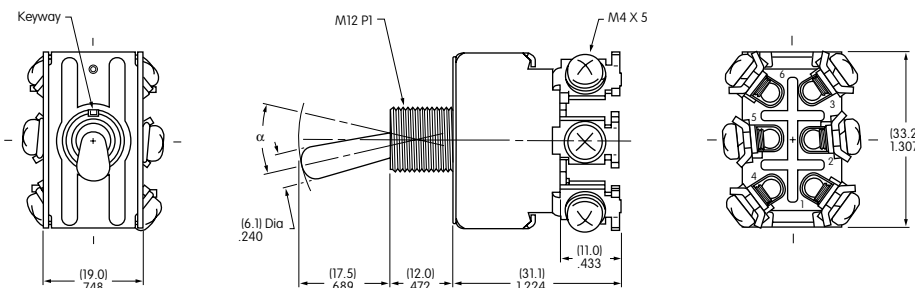


Note: Terminal numbers are on the switch

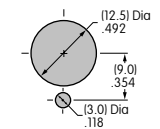
- Standard Hardware: AT503M Face Hex Nut, AT506 Locking Ring, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



S423T



S421T does not have terminals 2 & 5



Maximum Panel Thickness: .185" (4.7mm)