

## GENERAL SPECIFICATIONS FOR S4012, S200s, & S100s

### Electrical Capacity (Resistive & Inductive Load)

**Power Level:** Shown in the following tables

### Ratings

**Contact Resistance:** 10 milliohms maximum  
**Insulation Resistance:** 200 megohms minimum @ 500V DC  
**Dielectric Strength:** S4012 ~ 1,000V AC minimum for 1 minute minimum;  
 S200s & S100s ~ 1,500V AC minimum for 1 minute minimum  
**Mechanical Life:** 30,000 operations minimum  
**Electrical Life:** 10,000 operations minimum  
**Operating Temp Range:** -10°C through +70°C (+14°F through +158°F)

### Materials & Finishes

**Toggle:** Brass with chrome plating  
**Bushing:** Brass with chrome or nickel plating  
**Case:** Phenolic resin  
**Case Cover:** Steel with zinc plating  
**Movable Contactor Plate:** Copper with silver plating  
**Movable & Stationary Contacts:** Silver alloy plus copper with silver plating  
**Terminals:** Copper with silver plating








### Installation

**Mounting Torque:** 2.94Nm (26 lb•in) for double nut  
**Soldering Time & Temperature:** Manual Soldering: 4 seconds maximum @ 410°C maximum

### Standards & Certifications

**UL Recognized:** S4012 recognized at 6A @ 125V AC; UL File No. WOYR2.E44145.  
 Add "/U" to end of part number to order UL mark on switch.  
**C-UL Recognized:** S4012 recognized at 6A @ 125V AC; C-UL File No. WOYR8.E44145.  
 Add "/C-UL" to end of part number to order C-UL mark on switch.  
**CSA Certified:** S211 certified at 3A @ 125V AC and 1.5A @ 250V AC;  
 S114, S116 certified at 5A @ 125V AC and 2A @ 250V AC; CSA File No. 023535-0-000.  
 Add "/C" to end of part number to order CSA mark on switch.

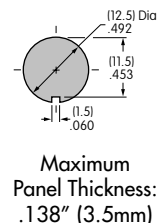
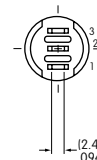
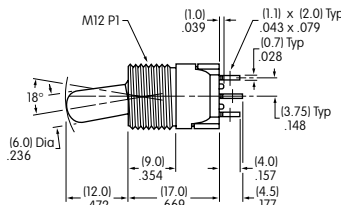
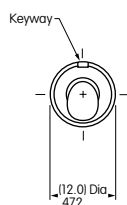
## S4012

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals			Electrical Capacity				Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S4012		SPDT	ON 2-3 	NONE	ON 2-1 	6A	---	4A	---	18°
<b>Throw &amp; Schematics:</b>						Note: Terminal numbers are actually on the switch				





- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
- Solder lug terminal hole accommodates two 20-gauge solid or stranded wire.




S4012



### S211 & S211T

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals			Electrical Capacity				Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S211	— 	SPST	ON 1-4	NONE	OFF —	3A	1.5A	1.5A	1.5A	36°
S211T	— —	SPST	ON 1-4	NONE	OFF —	3A	1.5A	1.5A	1.5A	36°

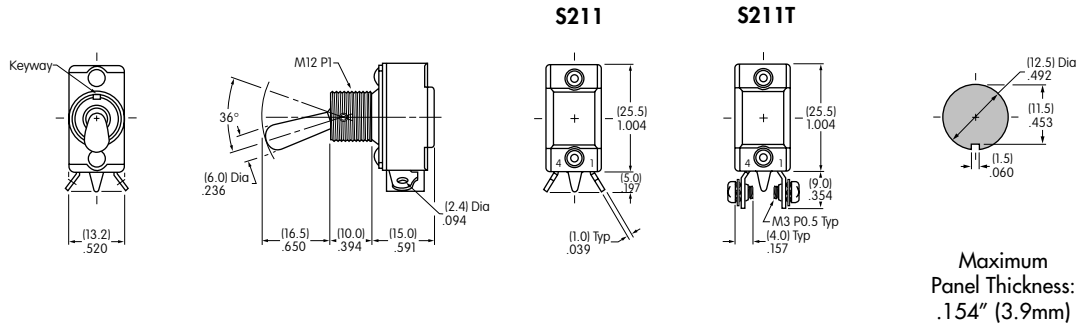
**Throw & Schematics:** SPST 

Note: Terminal numbers are actually on the switch






- Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.

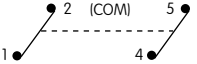
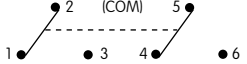


S211



### S114, S116, & S116R

Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals			Electrical Capacity				Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S114	— 	DPST	ON 2-1 5-4	NONE	OFF —	5A	2A	5A	3A	25°
S116	— 	DPDT	ON 2-1 5-4	NONE	ON 2-3 5-6	5A	2A	5A	3A	25°
S116R	— —	DPDT	ON 2-1 5-4	NONE	ON 2-3 5-6	5A	2A	5A	3A	25°

**Throw & Schematics:** DPST  DPDT 

Note: Terminal numbers are actually on the switch



S116

