



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

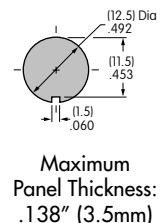
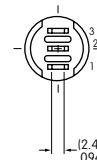
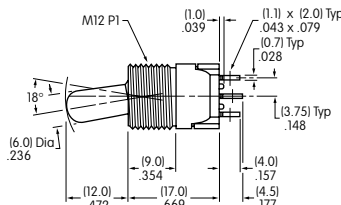
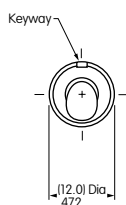
S4012

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°
Throw & Schematics:						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°

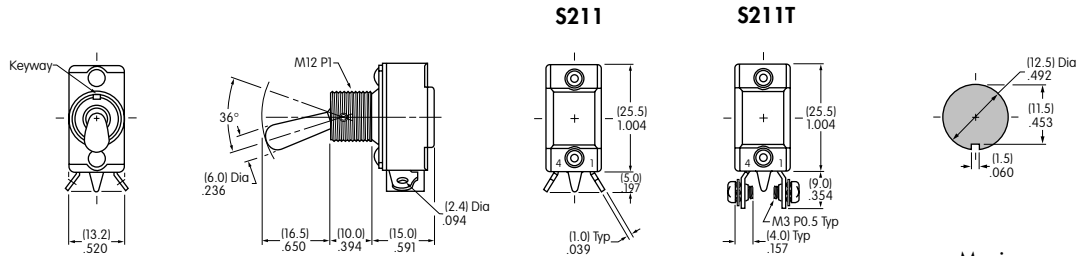
Throw & Schematics: SPST 

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.








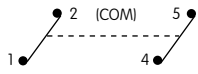
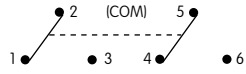
S211



Maximum Panel Thickness: .154" (3.9mm)

S114, S116, & S116R

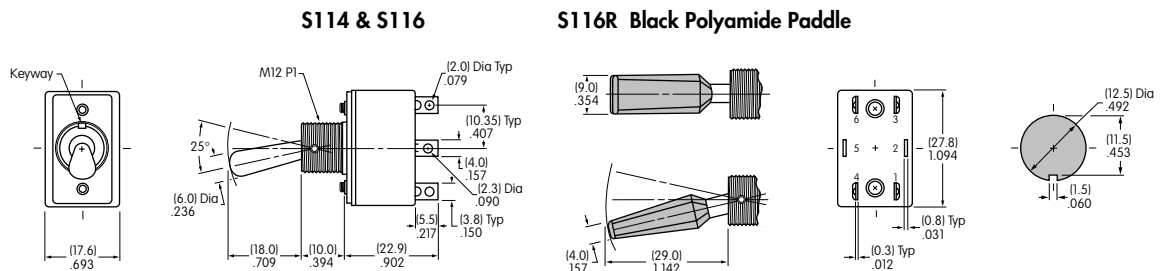
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals			Electrical Capacity				Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S114	— 	DPST	ON 2-1 5-4	NONE	OFF —	5A	2A	5A	3A	25°
S116	— 	DPDT	ON 2-1 5-4	NONE	ON 2-3 5-6	5A	2A	5A	3A	25°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



S116R Black Polyamide Paddle

Maximum Panel Thickness: .158" (4.0mm)

S114 does not have terminals 3 & 6