

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

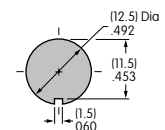
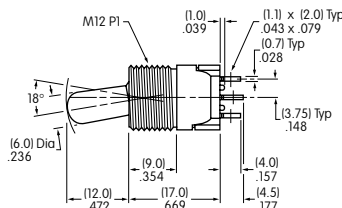
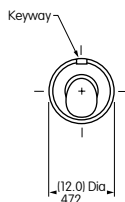
Standards & Certifications

UL Recognized:	S4012 recognized at 6A @ 125V AC; UL File No. WOYR2.E44145
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

S4012

			Toggle Position/Connected Terminals			Electrical Capacity				
Model	Approvals	Pole & Throw	Down 	Center 	Up 	Resistive			Inductive	Angle of Throw
			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: AT504 Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
- Solder lug terminal hole accommodates two 20-gauge solid or stranded wire.



Max. Panel Thickness:
.138" (3.5mm)

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	—	SP	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°

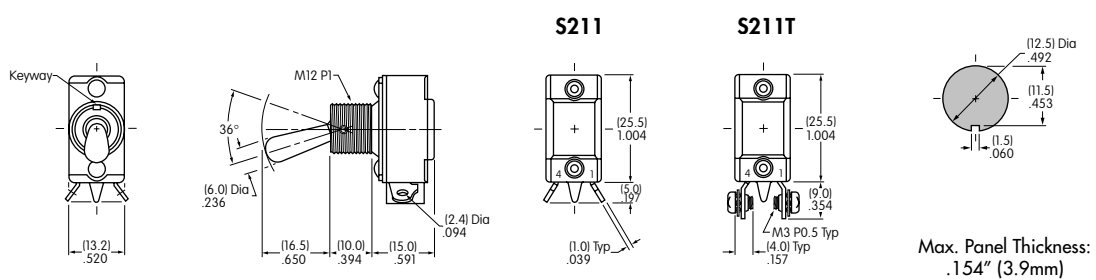
Throw & Schematics: SPST 

Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
- Solder lug terminal hole accommodates one 12-gauge solid or stranded wire.

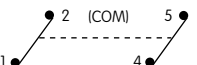
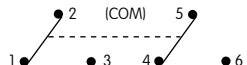


S211



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°

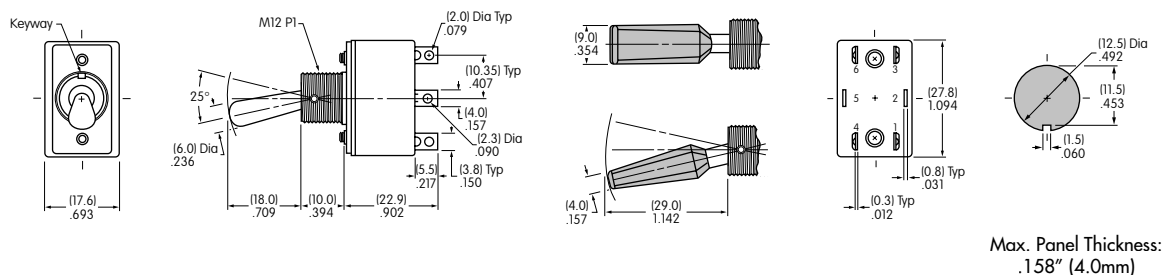
Throw & Schematics: DPST  DPDT 

Note: Terminal numbers are actually on the switch.

- Standard Hardware: AT504 Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.
- Solder lug terminal hole accommodates one 14-gauge solid or stranded wire.

S114 & S116

S116R Black Polyamide Paddle



S116

S114 does not have terminals 3 & 6.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

NKK Switches:

[S211T-RO](#) [S211-RO](#) [S4012-RO](#)