

## GENERAL SPECIFICATIONS FOR S100s

A  
Toggles

### Electrical Capacity (Resistive & Inductive Load)

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

### Other Ratings

**Contact Resistance:** 10 milliohms maximum  
**Insulation Resistance:** 200 megohms minimum @ 500V DC  
**Dielectric Strength:** 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

### Environmental Data

**Operating Temp Range:** -30°C through +70°C (-22°F through +158°F) for Splashproof models;  
 -10°C through +70°C (+14°F through +158°F) for all other models  
**Sealing:** Splashproof models meet IP67 standard

### Installation

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

### Standards & Certifications

**CSA:** File No. 023535\_0\_000 - Certified only when ordered with marking on switch.  
 Add "/C" to end of part number to order CSA certified switch.  
 Certified at 5A @ 125V AC & 2A @ 250V AC.

Rockers

Pushbuttons

Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

## DOUBLE POLE WITH SOLDER LUG \*

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

Throw & Schematics:



Note: Terminal numbers are actually on the switch

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

Optional Splashproof Boot Assemblies (only for bat lever models): AT401 & AT4181 boots plus hex nut and o-ring. See Accessories & Hardware section.

\* Wire harness & cable assemblies offered only in Americas.

**S114 & S116**

**S116R Black Polyamide Paddle**

S114 does not have terminals 3 & 6

Maximum Panel Thickness: .158" (4.0mm)