

GENERAL SPECIFICATIONS FOR S100s

Electrical Capacity (Resistive & Inductive Load)

Power Level: Shown in the following table

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

Installation

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

Standards & Certifications

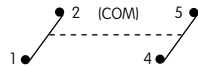
CSA Certified: Certified at 5A @ 125V AC & 2A @ 250V AC; CSA File No. 023535-0-000.
Add "/C" to end of part number to order CSA mark on switch.

S114, S116, & S116R

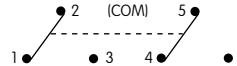
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals			Electrical Capacity				Angle of Throw
			Down 	Center 	Up 	Resistive			Inductive	
						AC 125V	AC 250V	DC 30V	AC 125V PF 0.6	
S114	—	DPST	ON 2-1 5-4	NONE	OFF —	5A	2A	5A	3A	25°
S116	—	DPDT	ON 2-1 5-4	NONE	ON 2-3 5-6	5A	2A	5A	3A	25°
S116R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

Throw & Schematics:

DPST



DPDT



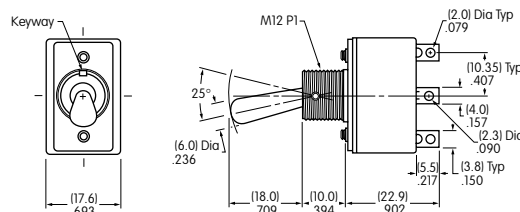
Note: Terminal numbers are actually on the switch

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

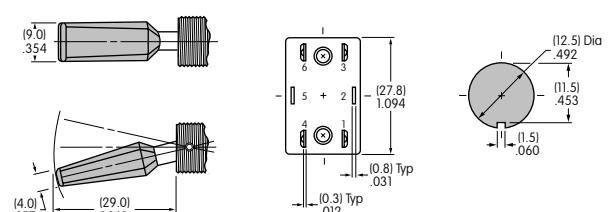


S116

S114 & S116



S116R Black Polyamide Paddle



Maximum
Panel Thickness:
.158" (4.0mm)

S114 does not have terminals 3 & 6