

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

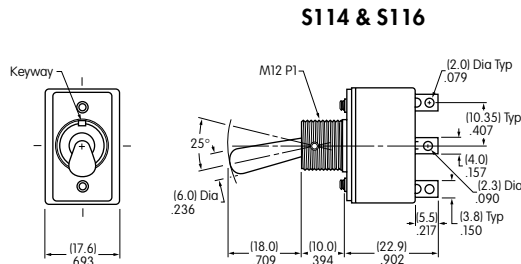
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals						Electrical Capacity				Angle of Throw
			Down		Center	Up		Resistive		Inductive			
			Keyway	Diagram	Diagram	Diagram	AC 125V	AC 250V	DC 30V	AC 125V PF 0.6			
S114	—	DPST	ON	2-1 5-4	NONE	OFF	—	5A	2A	5A	3A	25°	
S116	—	DPDT	ON	2-1 5-4	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:			Note: Terminal numbers are actually on the switch
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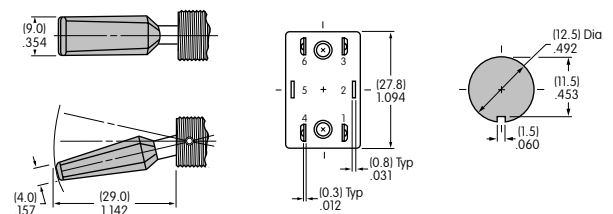
• Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



S114



S116R Black Polyamide Paddle



S114 does not have terminals 3 & 6

Maximum Panel Thickness: .158" (4.0mm)