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

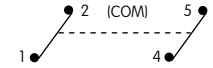
CSA Certified: Certified at 5A @ 125V AC & 2A @ 250V AC; CSA File No. 023535-0-000.
Add "/C" to end of part number to order CSA mark on switch.

S114, S116, & S116R

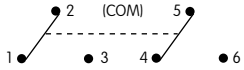
Model	Approvals	Pole & Throw	Toggle Position/Connected Terminals: Down (Keyway)	Center	Up	Electrical Capacity: Resistive AC 125V	Resistive AC 250V	Resistive DC 30V	Inductive AC 125V PF 0.6	Angle of Throw
S114	— (SP)	DPST	ON 2-1 5-4	NONE	OFF —	5A	2A	5A	3A	25°
S116	— (SP)	DPDT	ON 2-1 5-4	NONE	ON 2-3 5-6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

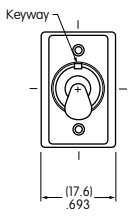


Note: Terminal numbers are actually on the switch

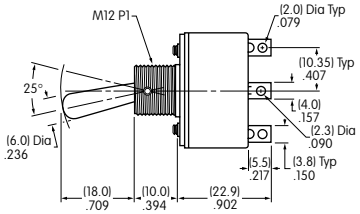
• Standard Hardware: AT504M Knurled Nut, AT508 Lockwasher, AT527M Backup Hex Nut. See Accessories & Hardware section.



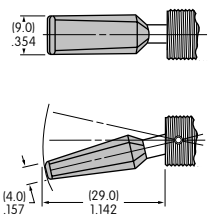
S116

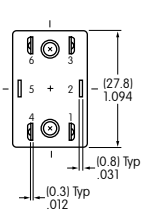


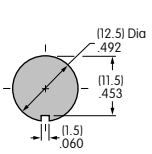
S114 & S116



S116R Black Polyamide Paddle







S114 does not have terminals 3 & 6

Maximum Panel Thickness: .158" (4.0mm)