

GENERAL SPECIFICATIONS FOR S100s

A
Toggles

Rockers

Pushbuttons

Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

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

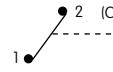
CSA:	File No. 023535_0_000 - Certified only when ordered with marking on switch. Add "/C" to end of part number to order CSA certified switch. Certified at 5A @ 125V AC & 2A @ 250V AC.
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DOUBLE POLE WITH SOLDER LUG *

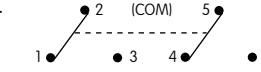
* CSA certified only when ordered with marking on switch (see General Specs)			Toggle Position/Connected Terminals			Electrical Capacity						
Model	* Approvals	Pole & Throw	Down	Center	Up	Resistive		Inductive		Angle of Throw		
			Keyway			AC 125V	AC 250V	DC 30V	AC 125V PF 0.6			
S114	—	✓	DPST	ON 2-1 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

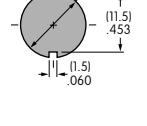
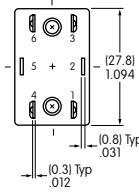
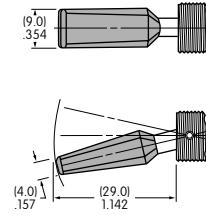
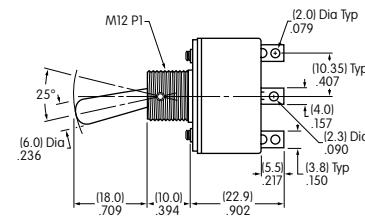
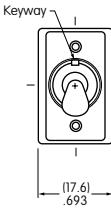


Note: Terminal numbers are actually on the switch

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****S116**

S114 does not have terminals 3 & 6

Maximum Panel Thickness: .158" (4.0mm)

Mouser Electronics

Authorized Distributor

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

[NKK Switches:](#)

[S114-RO](#) [S116-RO](#)