General Specifications

Electrical Capacity (Resistive Load)

Logic Level:

0.4VA maximum @ 28V AC/DC maximum (Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V) Note: Find additional explanation of operating range in Supplement section.

Other Ratings

Contact Resistance:	50 milliohms maximum
Insulation Resistance:	500 megohms minimum @ 500V DC
Dielectric Strength:	500V AC minimum for 1 minute minimum
Mechanical Life:	50,000 operations minimum
Electrical Life:	50,000 operations minimum
Nominal Operating Force:	2.55N
Contact Timing:	Nonshorting (break-before-make)
Travel:	Pretravel: .082" (2.1mm); Overtravel: .016" (0.4mm); Total Travel: .098" (2.5mm)

Materials & Finishes

Actuator:	Glass fiber reinforced polyamide
Upper Case Housing:	Carbon blended polyacetal (antistatic)
Lower Case Housing:	Glass fiber reinforced polyamide
Support Bracket:	Tin plated phosphor bronze
Movable Contact:	Phosphor bronze with gold plating
Stationary Contacts:	Brass with gold plating
Terminals:	Brass with gold plating

Environmental Data

	Operating Tempera	ture Range:	–30°C through +85°C (–22°F through +185°F)
		Humidity:	90 ~ 95% humidity for 192 hours @ 40°C (104°F)
		Vibration:	10 ~ 60Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range
			& returning in 5 minutes; 3 right angled directions for 30 minutes
_		Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
	PCB Processing		
_	r cb r rocessing	Soldering:	Wave Soldering Recommended. See Profile A in Supplement section.

Manual Soldering: for single pole see Profile B in Supplement section; for double pole see Profile A. These devices are not process sealed. Hand clean locally using alcohol based solution. **Cleaning:**

Standards & Certifications

The A Series slides have not been tested for UL recognition or CSA certification. These switches are designed for use in a low-voltage, low-current, logic-level circuit. When used as intended in a logic-level circuit, the results do not produce hazardous energy.

Toggles

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Touch





Connected Terminals & Schematics External Connection Pole Model Left Center Right The SP3T model utilizes a double pole base. ON ON ON External Connection External Connection External Connection (out) 🛶 External 2 (in) 2 (in) (in) 占 占 4 connections SP AS24 Common must be 4 (out) 6 (out) made 1 (out) 1 (out) 3 4 (out) 6 (out) 1 (out) 3 4 (out) 6 (out) 3 during field

For 3 Throw (3-On)



L+ (out)

(out)

口6

installation.

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-External

Conn

Indicators

Accessories

Supplement

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SWITCHES