# **Series SK**

# General Specifications

#### **Electrical Capacity (Resistive Load)**

Power Level (silver): 3A @ 125V AC for low & medium security; 1A @ 250V AC for low security

#### Other Ratings

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC
Dielectric Strength:	1,000V AC minimum between contacts for 1 minute minimum;
-	1,500V AC minimum between contacts & case for 1 minute minimum
Mechanical Life:	30,000 cycles minimum
Electrical Life:	10,000 cycles minimum
Nominal Operating Torque:	.026Nm (.234 lb•in) for low & medium security
Contact Timing:	Break-before-make
Angle of Throw:	90° for 2-position & 45° for 3-position

#### **Materials & Finishes**

Key:	Zinc alloy with chrome plating (matte) for low security models;
	brass with nickel plating (shiny) for medium security models
Tumbler Barrel:	Zinc alloy with chrome plating (matte) for low security models;
	zinc alloy with chrome plating (shiny) for medium security models
Housing/Bushing:	Zinc alloy with chrome plating (matte) for low security models;
	zinc alloy with chrome plating (shiny) for medium security models
Base:	Phenolic resin (thermoset)
Movable Contactor:	Silver
Stationary Contacts:	Silver capped copper with silver plating
Terminals:	Copper or brass with silver plating

#### **Environmental Data**

Operating Temperature Range:	–25°C through +70°C (–13°F through +158°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning
	in 1 minute; 3 right angled directions for 2 hours
Shock:	$50G (490m/s^2)$ acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

#### Installation

Mounting Torque: Soldering Time & Temperature: 1.5Nm (13.28 lb•in) maximum Manual Soldering: See Profile A in Supplement section.

UL: File No. E44145 - Recognized only when ordered with marking on switch. Add "/U" or "/CUL" to end of part number to order UL recognized switch. All low security models recognized at 3A @ 125V AC or 1A @ 250V AC & all medium security models recognized at 3A @ 125V AC 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.

All low security models certified at 3A @ 125V AC or 1A @ 250V AC

Rotaries

Slides

Tactiles

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Touch



Toggles

Rockers

Keylocks Programmable Illuminated PB Pushbuttons

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Rotaries

Slides

Tactiles

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Touch

# **Distinctive Characteristics**

12mm diameter bushing for easy panel cutout preparation and high density mounting.

Epoxy sealed terminals prevent entry of flux and other contaminants.

Short behind panel dimension - only 1.063" (27.0mm).

High dielectric strength of 1,500 volts between contacts and case.

Detent mechanism gives crisp, positive action for accurate switch setting.

Dust resistant interior construction protects contacts.





Actual Size



## **Series SK**



#### **DESCRIPTION FOR TYPICAL ORDERING EXAMPLE**

#### SK12BAW01

Silver Contacts Rated 3A @ 125V AC Solder Lug Terminals Low Security Lock Mechanism SPDT ON-NONE-ON Circuit Key Removable in 2 keys supplied Position 1 with each switch **IMPORTANT:** 



cULus & CSA marking unless specified. UL, cULus & CSA recognized only when ordered with marking on the switch. Specific models, ratings, & ordering instructions are noted on General Specifications page.



Slides

Tactiles

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Touch

Indicators

Supplement Accessories

## Low & Medium Security Keylocks

# Series SK



# Series SK



POS 1

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### **TYPICAL SWITCH DIMENSIONS**

#### Medium Security • 90° Angular Throw



(10.8) .425



#### SK12ADW01





### **PANEL CUTOUT & THICKNESS**



The 12mm bushing is .512" (13.0mm) long. It allows mounting these devices in a maximum effective panel thickness of .315" (8.0mm).

### **STANDARD HARDWARE**

AT527M **Hex Mounting Nut** 

1 included with each switch

Steel with nickel plating





AT508 Internal Tooth Lockwasher

1 included with each switch

Steel with zinc/chromate plating



Rockers

Touch

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