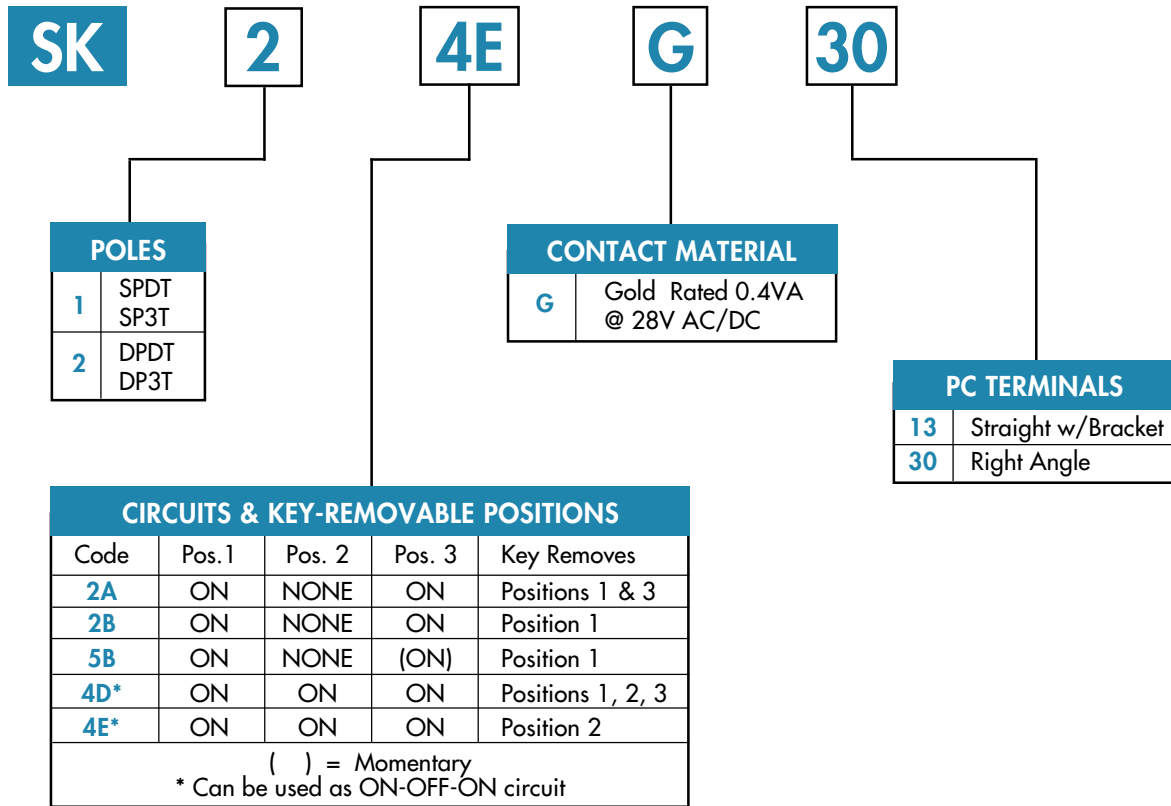


TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

SK24EG30





GENERAL SPECIFICATIONS

Electrical Capacity (Resistive Load)

Logic Level (code G): 0.4VA maximum @ 28V AC/DC maximum
(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
Note: See [Supplement Index](#) to find explanation of operating range.

Other Ratings

Contact Resistance: 80 milliohms maximum
Insulation Resistance: 100 megohms minimum @ 500V DC
Dielectric Strength: 500V AC minimum
Mechanical Life: 30,000 cycles minimum
Electrical Life: 10,000 cycles minimum
Nominal Operating Torque: 270 grams-cm (3.74 ounce-in) for momentary action models
210 grams-cm (2.91 ounce-in) for maintained action models
Contact Timing: Break before make
Angle of Throw: 90° for 2-position & 45° for 3-position

Materials & Finishes

Key: Brass alloy with bright nickel plating;
brass alloy with bright nickel plating & ABS resin handle
Tumbler Barrel: Polyacetal
Bushing: Zinc alloy with nickel plating
Bracket: Steel with tin-lead plating
Base: Glass fiber reinforced polyester
Movable Contactor: Beryllium copper with gold plating over nickel
Stationary Contacts: Copper with gold plating over nickel
Terminals: Brass with tin-lead plating

Environmental Data

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

Installation

Soldering Time & Temperature: 3 seconds @ 350°C or 5 seconds @ 270°C;
5 seconds @ 250°C for plated-through holes
Process Seal: See [Supplement Index](#) for specific products.
See Sealed Construction on Engineering Particulars page.



Series SK

Process Compatible Keylock Switches

POLES, CIRCUITS, & KEY-REMOVABLE POSITIONS

Pole & Throw	Model	Key Positions			Connected Terminals (Terminal nos. not actually on switch)			Schematic	⊙ = Key Removable ● = Not Removable ✓ = Maximum Arc
		Pos 1	Pos 2	Pos 3	Pos 1	Pos 2	Pos 3		
SPDT	SK12A	ON	NONE	ON	C1-1	-----	C1-2		
SPDT SPDT	SK12B SK15B	ON ON	NONE NONE	ON (ON)	C1-1	-----	C1-2		
DPDT	SK22A	ON	NONE	ON	C1-1 C2-4	-----	C1-2 C2-5		
DPDT DPDT	SK22B SK25B	ON ON	NONE NONE	ON (ON)	C1-1 C2-4	-----	C1-2 C2-5		
SP3T	SK14D	ON	ON	ON	C1-1	C1-2	C1-3		
SP3T	SK14E	ON	ON	ON	C1-1	C1-2	C1-3		
DP3T	SK24D	ON	ON	ON	C1-1 C2-4	C1-2 C2-5	C1-3 C2-6		
DP3T	SK24E	ON	ON	ON	C1-1 C2-4	C1-2 C2-5	C1-3 C2-6		

KEY REMOVABLE

A Positions 1 & 3
(90° angular throw)

B Position 1
(90° angular throw)

D Positions 1, 2, & 3
(45° angular throw)

E Position 2
(45° angular throw)

CONTACT MATERIAL & RATING

G Gold over Copper

Logic Level

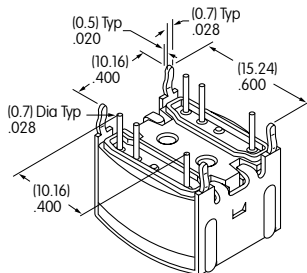
0.4VA maximum @ 28V AC/DC maximum

Note: See [Supplement Index](#) to find complete explanation of operating range.

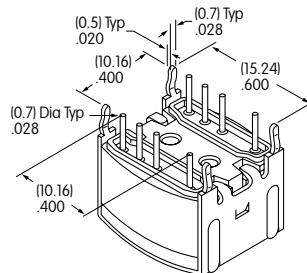
TERMINALS

13 Straight PC Terminals with Bracket

Double Throw Models

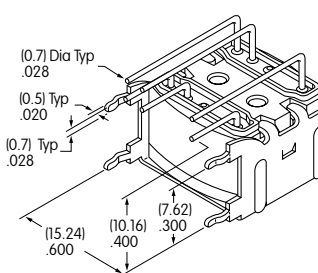


Three Throw Models

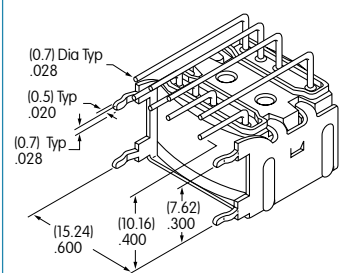


30 Right Angle PC Terminals

Double Throw Models



Three Throw Models





Series SK

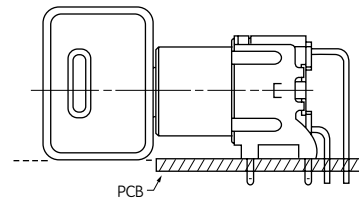
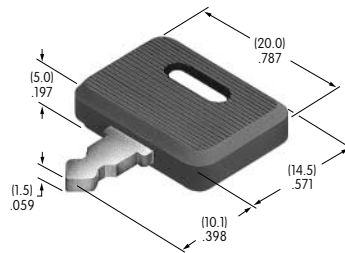
Process Compatible Keylock Switches

KEYS

AT4080 Standard Antistatic Plastic Handled

Brass Alloy with Bright Nickel Plating & ABS Resin Handle

2 keys supplied with each switch.

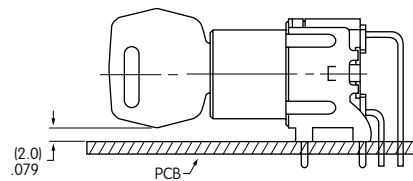
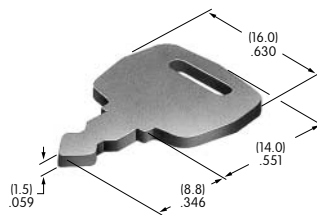


Suitable for all Straight PCB mount and for Right Angle PCB mount where clearance for key is obtainable.

AT4079 For Right Angle Mid-board Mounting (Optional) All Metal

Brass Alloy with Bright Nickel Plating

Contact factory if metal keys needed.

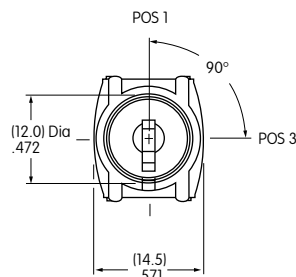


TYPICAL SWITCH DIMENSIONS

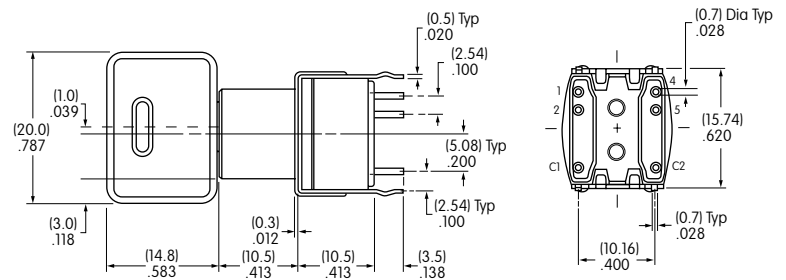
Straight PC with Bracket • Double Throw



SK12AG13



Single & Double Pole

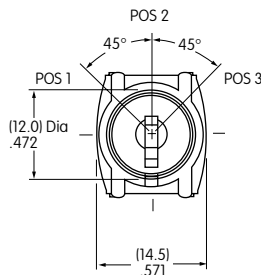


Single Pole models have only terminals 1, 2, & C1

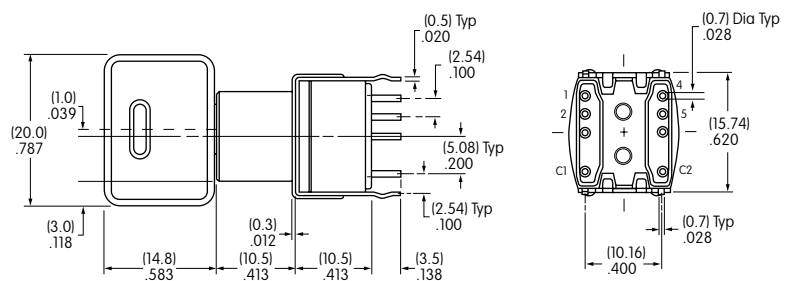
Straight PC with Bracket • Three Throw



SK24DG13



Single & Double Pole



Single Pole models have only terminals 1, 2, & C1



Series SK

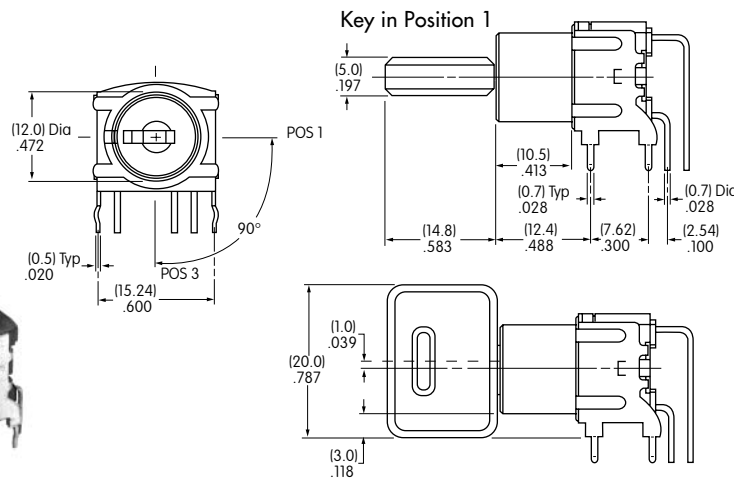
Process Compatible Keylock Switches

TYPICAL SWITCH DIMENSIONS

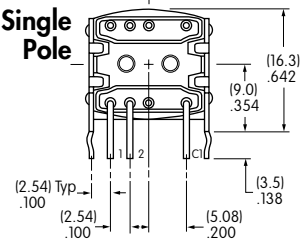
Right Angle
PC Terminals
Double Throw



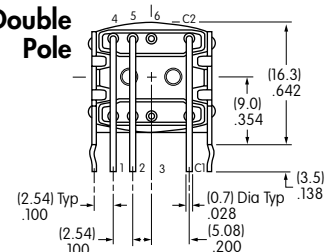
SK15BG30



Single Pole



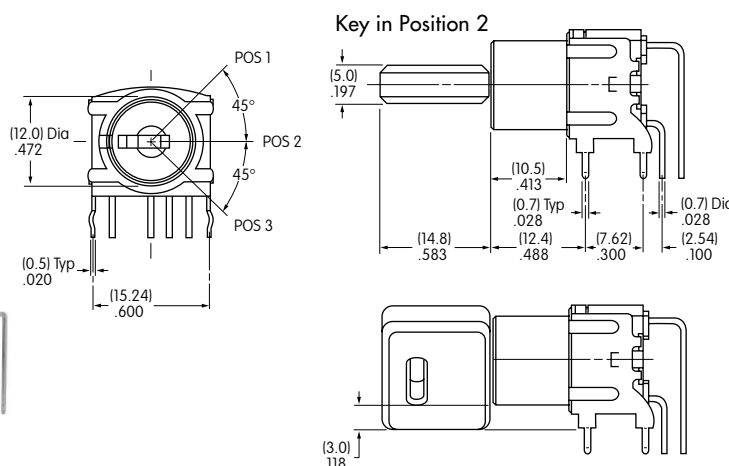
Double Pole



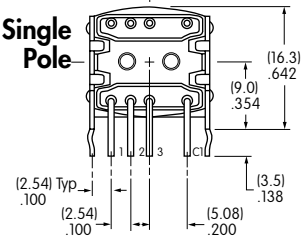
Right Angle
PC Terminals
Three Throw



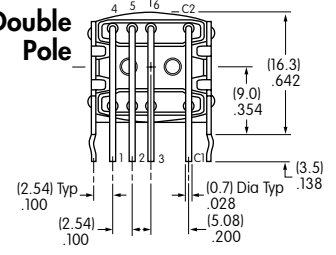
SK24EG30



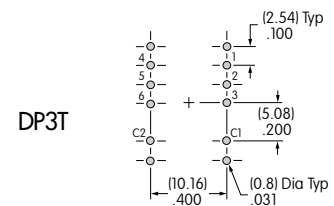
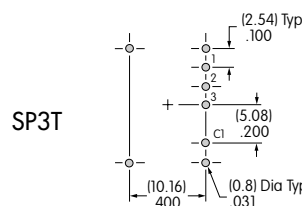
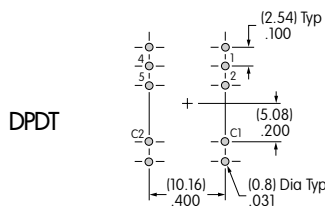
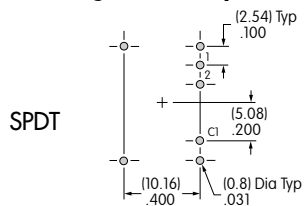
Single Pole



Double Pole



Straight PC Footprints



Right Angle PC Footprints

