

General Specifications

Toggles

Rockers

Pushbuttons

Illuminated PB

Programmable

Keylocks

Rotaries

Slides

Tactiles

Tilt

Touch

Indicators

Accessories

Supplement

Electrical Capacity (Resistive Load)

Logic Level: 0.4VA maximum @ 28V AC/DC maximum
(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)
See Supplement section 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 for 1 minute minimum
Mechanical Life: 30,000 cycles minimum
Electrical Life: 10,000 cycles minimum
Nominal Operating Torque: .026Nm (.234 lb•in) for momentary action models
 .020Nm (.182 lb•in) for maintained action models
Contact Timing: Break-before-make
Angle of Throw: 90° for 2-position & 45° for 3-position

Materials & Finishes

Boot: Polyvinyl chloride
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 plating
Base: Glass fiber reinforced polyamide
Movable Contactor: Beryllium copper with gold plating
Stationary Contacts: Copper with gold plating
Terminals: Brass with tin plating

Environmental Data

Operating Temperature Range: -25°C through +70°C (-13°F through +158°F)
Humidity: 90 ~ 95% humidity for 240 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/s²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)

PCB Processing

Soldering: Wave Soldering recommended: See Profile B in Supplement section.
 Manual Soldering: See Profile B in Supplement section.
Cleaning: Automated cleaning. Boot must be on switch during processing.
 See Cleaning specifications in Supplement section.

Standards & Certifications

These SK Series devices 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.

Distinctive Characteristics

Sealed body construction plus disposable boot protect contacts and allow automated processing.

Molded-in terminals seal out flux, solvents, and other contaminants.

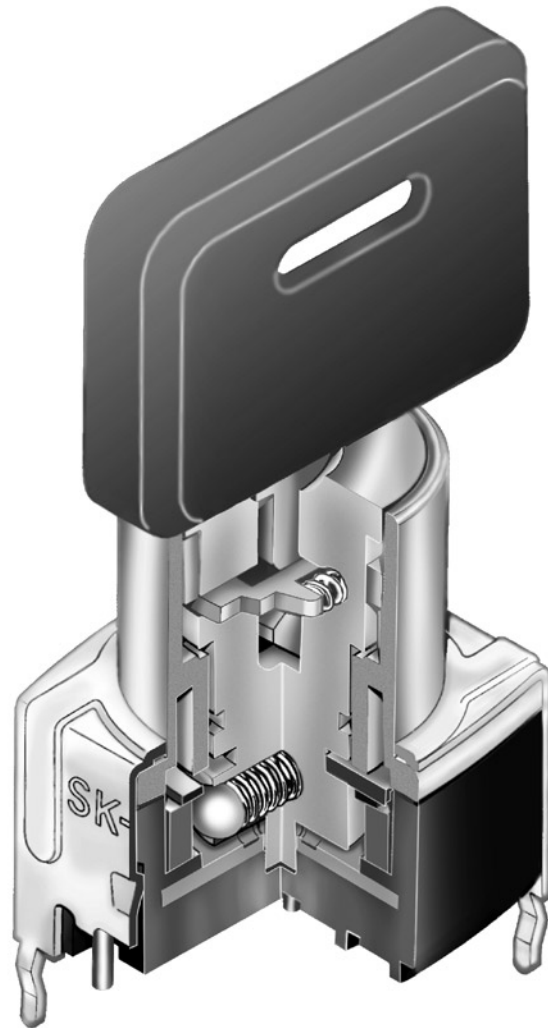
Short body size for space-saving, behind panel dimensions.

Detent mechanism, with its spring-operated steel ball, gives crisp, positive action for accurate switch setting.

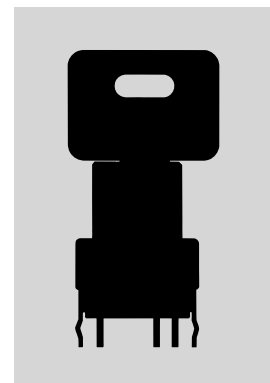
Bifurcated, self-wiping contact mechanism provides unequalled logic-level reliability and smoother, positive detent actuation.

Crimped bracket legs ensure secure PCB mounting and prevent dislodging during automated wave soldering.

.100" x .100" (2.54mm x 2.54mm) terminal spacing conforms to standard PC board grid spacing.



Actual Size



TYPICAL SWITCH ORDERING EXAMPLE



DESCRIPTION FOR TYPICAL ORDERING EXAMPLE

SK24EG30



POLES, CIRCUITS & KEY-REMOVABLE POSITIONS

| Pole & Throw | Model | Key Positions | | | Connected Terminals (Terminal numbers are not 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

TERMINALS

13 Straight PC Terminals with Bracket

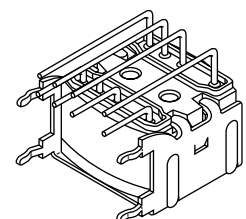
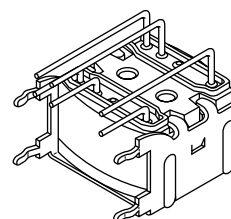
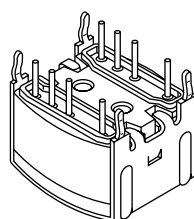
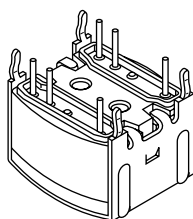
30 Right Angle PC Terminals

Double Throw Model

Three Throw Model

Double Throw Model

Three Throw Model



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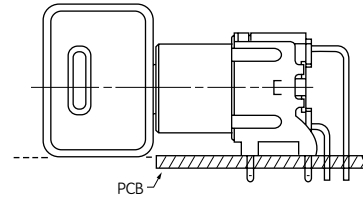
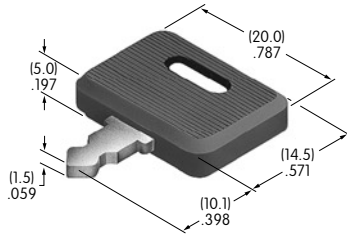
Supplement

KEYS

AT4080 Standard Antistatic Plastic Handle

Brass Alloy with Bright Nickel Plating & ABS Resin Handle

2 keys supplied with each switch

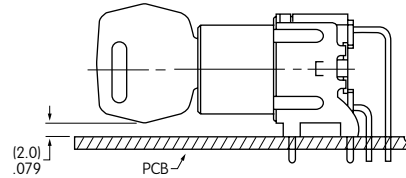
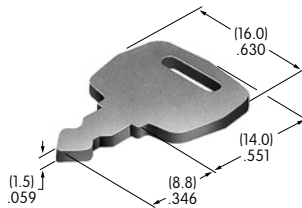


Suitable for all Straight PCB mount and for Right Angle PCB mount where clearance for key is obtainable.

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

Brass Alloy with Bright Nickel Plating

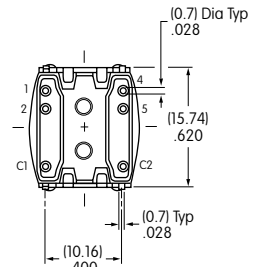
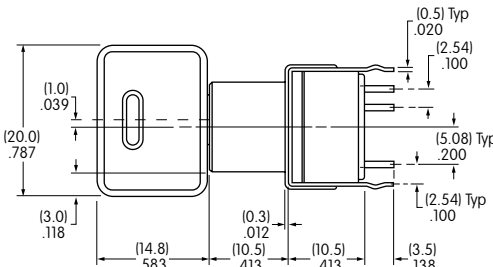
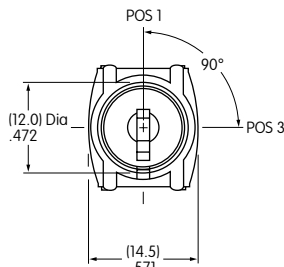
Contact factory if metal keys needed



TYPICAL SWITCH DIMENSIONS

Straight PC with Bracket • Double Throw

Single & Double Pole

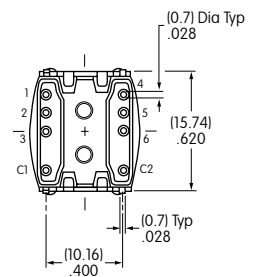
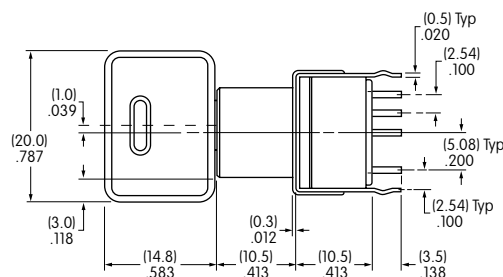
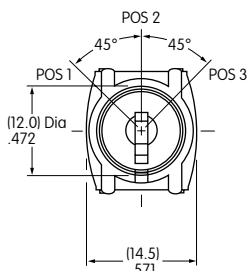


SK12AG13

Single Pole models have only terminals 1, 2 & C1

Straight PC with Bracket • Three Throw

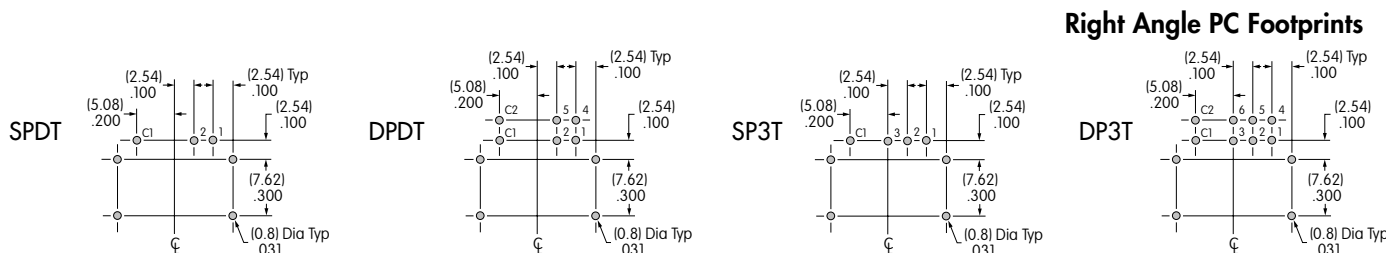
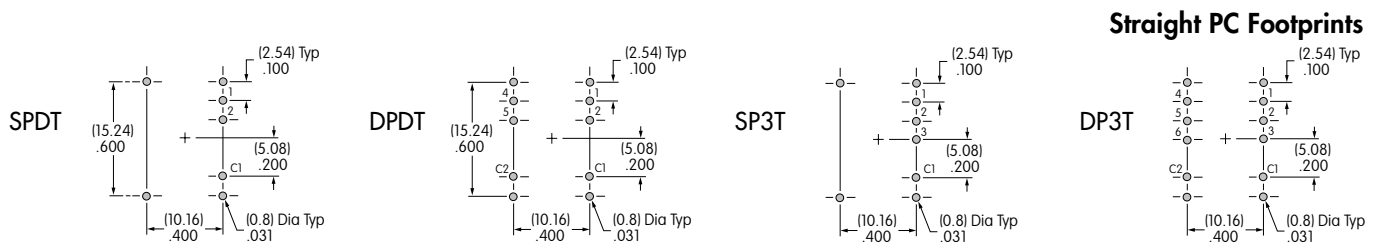
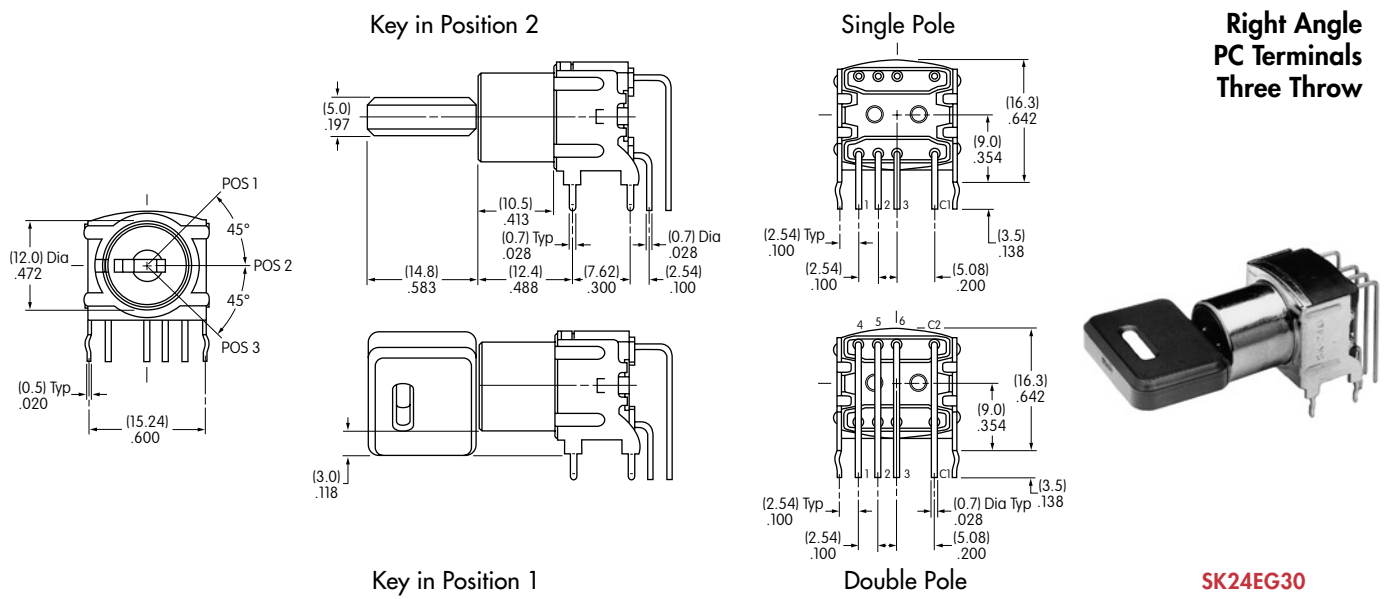
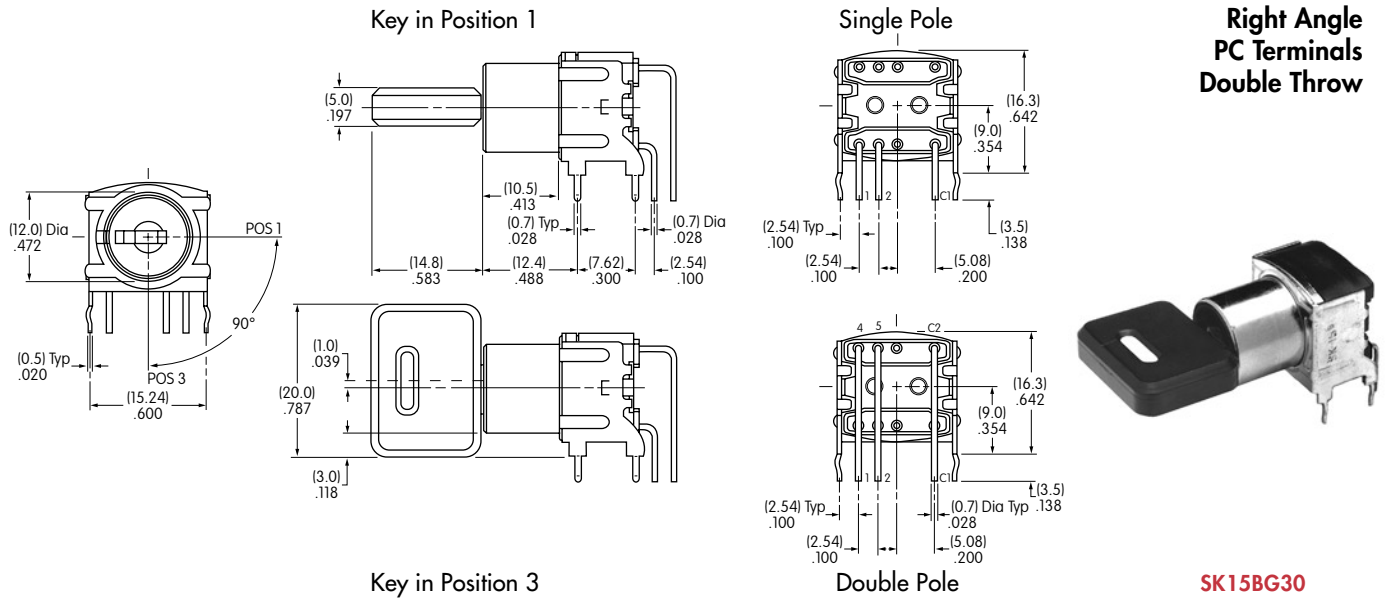
Single & Double Pole



SK24DG13

Single Pole models have only terminals 1, 2, 3 & C1

TYPICAL SWITCH DIMENSIONS





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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