



# THE DATASHEET OF SP06A



# C&K SP Series Single In-line Package Switches



DIP



## Features/Benefits

- **Thin Single In-line Packaging saves PCB space**
- **Retention feature holds part to PCB prior to soldering**
- **Available in vertical or right angle models**
- **High pressure contact system does not require tape sealing**
- **RoHS compliant - options available**

## Typical Applications

- **Address switch for industrial controls**
- **Logic switching for computers and peripherals**
- **Function controlling for numerous applications**

## How To Order

Complete part numbers for SP Series standard profile SIP Switches are shown on pages I-18 thru I-19.

## Specifications

### CONTACT RATING:

Carry: 100 mA

Switching: 10 mA

MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles min.

CONTACT RESISTANCE: 50 MΩ max. @ 20 V DC 10mA.

INSULATION RESISTANCE: 100 MΩ min. @ 100 V DC.

DIELECTRIC STRENGTH: 1 minute @ 300 V AC.

CAPACITANCE: 5pF max. between adjacent terminals.

OPERATING TEMPERATURE: -20°C to 85°C.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING FORCE: 800 grams max.

SOLDERABILITY: Dip & look solderability testing per C&K spec.

#448. Unplated edges of terminals permitted.

PACKAGING: Switches supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model.

## Materials

HOUSING AND COVER: PBT resin (UL94V-0).

RoHS, Version PPS (UL94V-0).

ACTUATOR: 4/6 Nylon (UL 94V-0).

MOVABLE CONTACT: Beryllium copper alloy, gold over nickel plate.

FIXED CONTACT: Copper alloy, nickel minimum plated.

CLIP: Tin plated phosphor bronze wire. Phosphor bronze, nickel minimum plated.

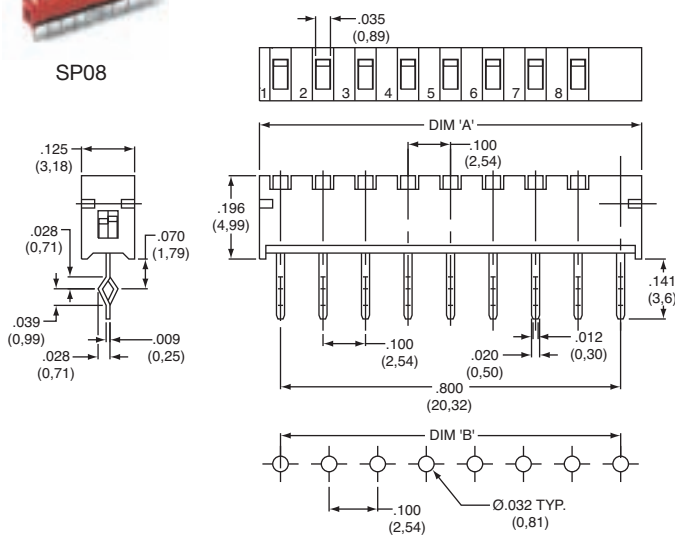
**NOTE:** For the latest information regarding RoHS compliance, please go to: [www.ittcannon.com/rohs](http://www.ittcannon.com/rohs).

**Note:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## Vertical



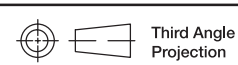
SP08



| ROHS PART NUMBER | TIN LEAD PART NUMBER | NO. POS. | DIM. 'A'     | DIM. 'B'      | QUANTITY PER TUBE |
|------------------|----------------------|----------|--------------|---------------|-------------------|
| SP02B            | SP02                 | 2        | .298 (7,58)  | .200 (5,08)   | 60                |
| SP04B            | SP04                 | 4        | .498 (12,66) | .400 (10,16)  | 35                |
| SP06B            | SP06                 | 6        | .698 (17,74) | .600 (15,24)  | 25                |
| SP08B            | SP08                 | 8        | .898 (22,82) | .800 (20,32)  | 20                |
| SP10B            | SP10                 | 10       | 1.098 (27,9) | 1.000 (25,40) | 15                |

Schematic

SPST





Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change



## Looking for pricing, stock, or lifecycle information?

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-  [View SP06A](#) on WIN SOURCE
-  [C&K Components](#) Information

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