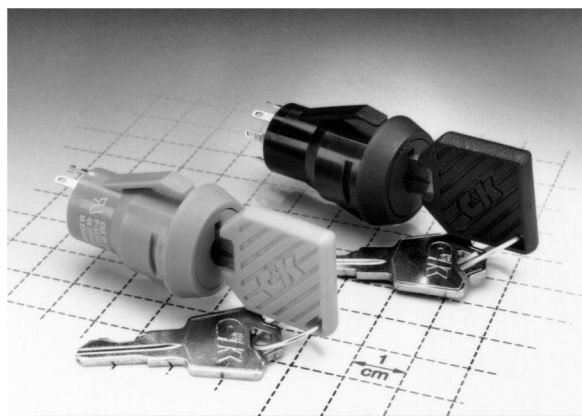


# C&K P Series 4 Tumbler Snap-in Switchlocks



## Features/Benefits

- Snap-in mounting
- Variety of key and lock colors
- Multi-pole and multi-position
- Positive detent

## Typical Applications

- Computers
- Business machines
- Communication equipment



## Build-A-Switch

Our easy Build-A-Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box. A switchlock with standard options is shown on page H-19. Available options are shown and described on pages H-19 thru H-21. For additional options not shown in catalog, consult Customer Service Center.

Typical Example: P 1 0 0 A F — J — C — M — 0 3 — Q —  — 2 — 2

### Switch and Lock Function

- P100AF** (STD.) SP, 45° Index, keypull pos. 1, 2 & 3
- P200AF** DP, 45° Index, keypull pos. 1, 2 & 3
- P10113** SP, 90° Index, keypull pos. 1
- P20113** DP, 90° Index, keypull pos. 1
- P1011U** SP, 90° Index, keypull pos. 1 & 2
- P2011U** DP, 90° Index, keypull pos. 1 & 2

### Keying

- J** (STD.) One nickel plated brass key with insert molded plastic round head and one nickel plated brass key
- T** (STD.) One nickel plated brass key with insert molded plastic square head and one nickel plated brass key
- 2** Two nickel plated brass keys

### Lock Type

- C** (STD.) 4 Tumbler lock with detent

### Lock Finish

- M** (STD.) Plastic lock with matte finish

### Terminations

- 03** (STD.) Solder lug
- 02** PC Thru-hole
- WC** Wire lead

### Contact Material

- Q** (STD.) Silver
- B** Gold
- G** Gold over silver

### Seal

- NONE** (STD.) No seal
- E** Epoxy seal

### Lock Color

- 2** (STD.) Black
- 1** White
- 3** Red
- T** Beige

### Key Color

- 2** (STD.) Black
- NONE** Nickel plated brass
- 1** White
- 3** Red
- T** Beige



## Specifications

CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL/CSA). See page H-21 for additional ratings.

**ELECTRICAL LIFE:** 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 milliohms typ. initial @  
2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE:  $10^9$  ohms min.

**DIELECTRIC STRENGTH:** 1,000 V RMS min. @ sea level.

INDEXING: 45° or 90° 2-3 positions.

## Materials

**SWITCH HOUSING & LOCK:** One piece construction, 6/6 Nylon (UL 94V-2), black (other colors available). 4 disc tumbler mechanism.

KEYS: One nickel plated brass key and one key with insert molded plastic head.

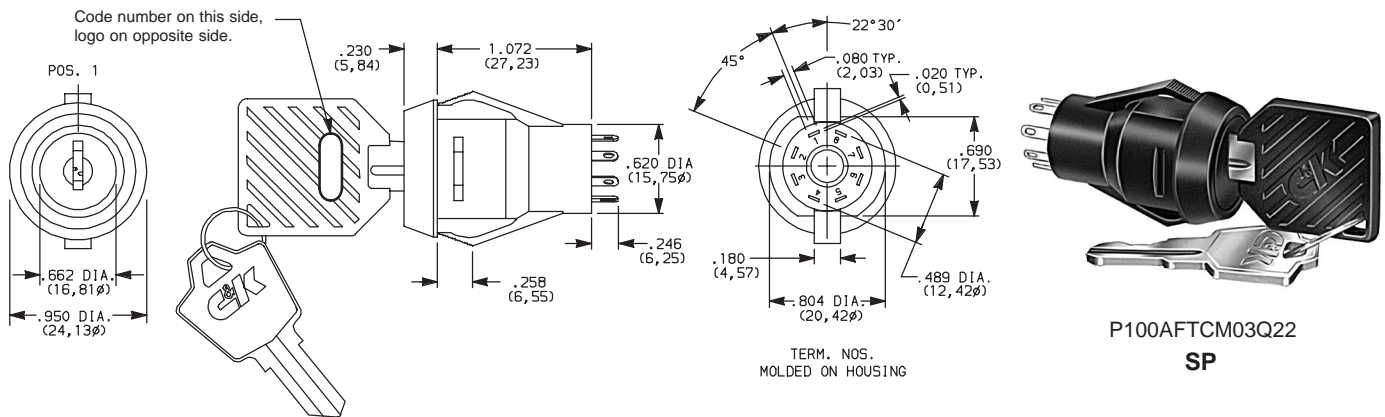
TUMBLERS: Disc tumblers, brass.

CONTACTS & TERMINALS: Q contact material: Copper, silver plated.  
See page H-21 for additional contact materials.

TERMINAL SEAL: Epoxy.

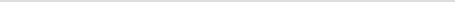
**NOTE:** Specifications and materials listed above are general specifications for switchlocks with standard options. For information on specific and custom switchlocks, consult Customer Service Center.

## SWITCHLOCK WITH STANDARD OPTIONS



| PART NUMBER    | NO. POLES | INDEXING |
|----------------|-----------|----------|
| P100AFTCM03Q22 | SP        | 45°      |

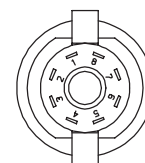
**NOTE:** For panel mounting information, see page H-21.

SWITCH AND LOCK FUNCTION 

| NO. POLES | MODEL NO.                      | CONNECTED TERMINALS |                 |                 | KEY PULL POSITIONS | LOCK CONFIGURATION | INDEXING |
|-----------|--------------------------------|---------------------|-----------------|-----------------|--------------------|--------------------|----------|
|           |                                | POS. 1              | POS. 2          | POS. 3          |                    |                    |          |
| SP<br>DP  | <b>P100AF</b><br><b>P200AF</b> | 8-1<br>8-1, 4-5     | 1-2<br>1-2, 5-6 | 2-3<br>2-3, 6-7 | Positions 1, 2 & 3 |                    | 45°      |
| SP<br>DP  | <b>P10113</b><br><b>P20113</b> | 8-1<br>8-1, 4-5     | 1-3<br>1-3, 5-7 |                 | Position 1         |                    | 90°      |
| SP<br>DP  | <b>P1011U</b><br><b>P2011U</b> | 8-1<br>8-1, 4-5     | 1-3<br>1-3, 5-7 |                 | Positions 1 & 2    |                    |          |

All models   with all options when ordered with 'G' or 'Q' contact material.

## TERMINAL NUMBERS



Terminal numbers  
molded on housing.

### LEGEND

- = Detent Positions (45° or 90°)
- ⊙ = Key pull possible in these positions.
- ⊙ = Stop Positions

# C&K P Series 4 Tumbler Snap-in Switchlocks

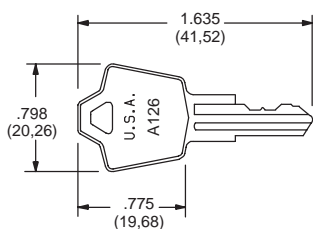
Switchlock

## KEYING

| OPTION CODE | KEY OPTIONS   | CODE NO. ON KEY | CODE NO. ON LOCK |
|-------------|---|-----------------|------------------|
| J           | (STD.) 1 NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED ROUND HEAD & 1 NICKEL PLATED BRASS KEY  | YES             | NO               |
| T           | (STD.) 1 NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED SQUARE HEAD & 1 NICKEL PLATED BRASS KEY | YES             | NO               |
| 2           | 2 NICKEL PLATED BRASS KEYS  | YES             | NO               |

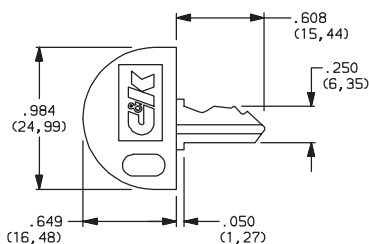
| OPTION CODE | KEY COLOR           |
|-------------|---------------------|
| 2           | (STD.) BLACK        |
| NONE        | NICKEL PLATED BRASS |
| 1           | WHITE               |
| 3           | RED                 |
| T           | BEIGE               |

NICKEL PLATED BRASS KEY



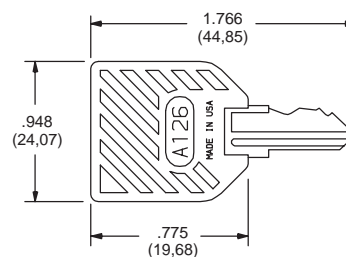
Key part number: 115140126

NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED ROUND HEAD



Key part number: 16564112602

NICKEL PLATED BRASS KEY WITH PLASTIC INSERT MOLDED SQUARE HEAD

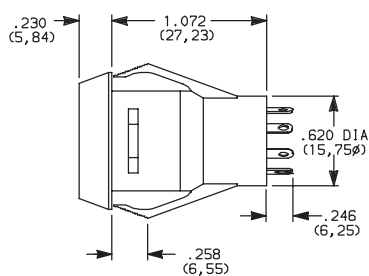


Key part number: 11599112602

**NOTE:** All orders keyed alike with code number on key, standard. For more than one key code, replacement keys or other special features, consult Customer Service Center.

## LOCK TYPE

C (STD.) 4 TUMBLER LOCK WITH DETENT



| OPTION CODE | LOCK COLOR   |
|-------------|--------------|
| 2           | (STD.) BLACK |
| 1           | WHITE        |
| 3           | RED          |
| T           | BEIGE        |

**NOTE:** Other colors available, consult Customer Service Center.

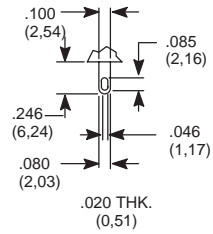
## LOCK FINISH

M (STD.) PLASTIC LOCK WITH MATTE FINISH

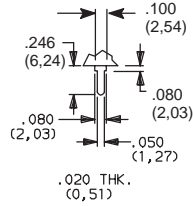
# C&K P Series 4 Tumbler Snap-in Switchlocks

## TERMINATIONS

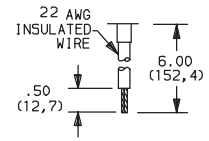
### 03 (STD.) SOLDER LUG



### 02 PC THRU-HOLE

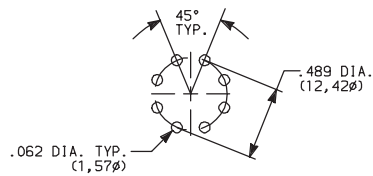


### WC WIRE LEAD

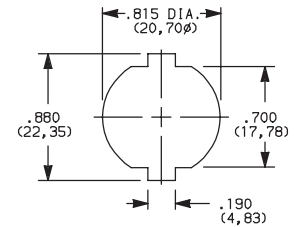


Black wire standard, other colors, gages and lengths available, consult Customer Service Center. UL style 1015.

### PC MOUNTING



### PANEL MOUNTING



Panel Thickness: .100-.200 (2,54-5,08)

## CONTACT MATERIAL

| OPTION CODE     | CONTACT AND TERMINAL MATERIAL | RATINGS                        |   |
|-----------------|-------------------------------|--------------------------------|---|
| <b>Q (STD.)</b> | SILVER <sup>2</sup>           | POWER                          | 4 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL/CSA).                                     |
| <b>B</b>        | GOLD <sup>1</sup>             | LOW LEVEL/DRY CIRCUIT          | 0.4 VA MAX. @ 20 V AC OR DC MAX.  |
| <b>G</b>        | GOLD OVER SILVER <sup>3</sup> | LOW LEVEL/DRY CIRCUIT OR POWER | 0.4 VA MAX. @ 20 V AC OR DC MAX. OR 4 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL/CSA). |

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS — SEE CHART, PAGE L-31.

- <sup>1</sup> CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.  
<sup>2</sup> CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).  
<sup>3</sup> CONTACTS & TERMINALS: Copper, with gold plate over silver plate.

All models with all options when ordered with 'G' or 'Q' contact material.

**NOTE:** 'G' contact material is equivalent to both 'B' and 'Q' contact materials.

## SEAL

### NONE (STD.) NO SEAL

### E EPOXY SEAL

