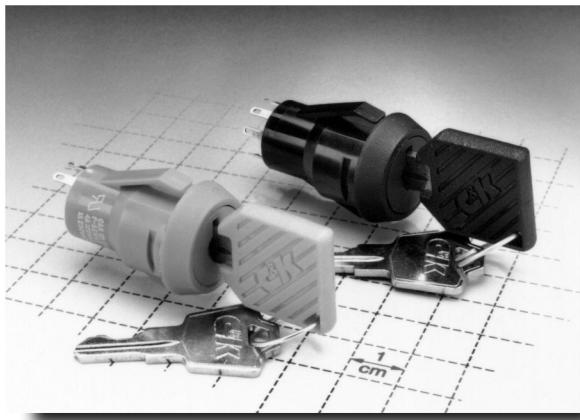


C&K P Series

4 Tumbler Snap-in Switchlocks

H

Switchlock



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, 2 & 3

P20113 DP, 90° Index, keypull pos. 1, 2 & 3

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

C&K P Series 4 Tumbler Snap-in Switchlocks



Switchlock

Specifications

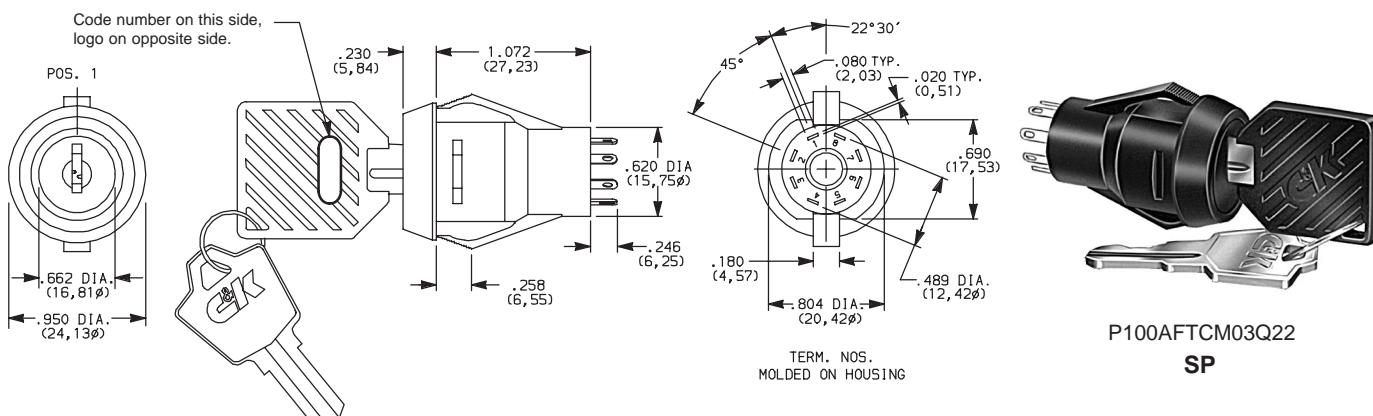
CONTACT RATING: Q contact material: 4 AMPS @ 125 V AC; 1 AMP @ 250 V AC (UL/CSA). See page H-21 for additional ratings.
ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.
CONTACT RESISTANCE: Below 10 milliohms typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.
INSULATION RESISTANCE: 10⁹ 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°

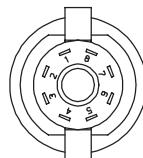
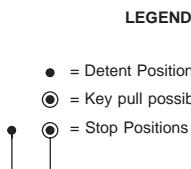
NOTE: For panel mounting information, see page H-21.

SWITCH AND LOCK FUNCTION

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

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

TERMINAL NUMBERS



Terminal numbers
molded on housing.



C&K P Series 4 Tumbler Snap-in Switchlocks

Switchlock

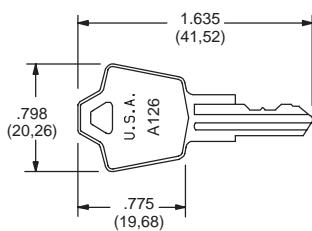
Switchlock II

A horizontal color bar diagram for keying. It consists of a thick black bar on the left, followed by a thin black line, then a series of colored squares. The colors from left to right are: white, light gray, medium gray, light blue, medium blue, light green, medium green, light orange, medium orange, and white. Below the bar, the word "KEYING" is written in a bold, black, sans-serif font. Below the color squares, the word "KEYING" is repeated in a smaller, black, sans-serif font.

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

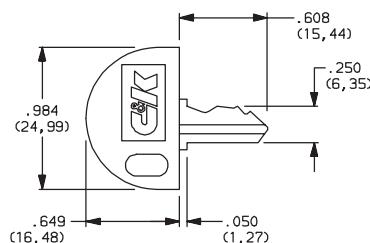
OPTION CODE	KEY COLOR
2	(STD.) BLACK
NONE	NICKEL PLATED BRASS
1	WHITE
3	RED
T	BEIGE

NICKEL PLATED BRASS KEY



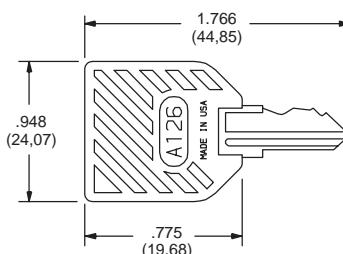
Key part number: 115140126

**NICKEL PLATED BRASS KEY WITH
PLASTIC INSERT MOLDED ROUND HEAD**



Key part number: 16564112602

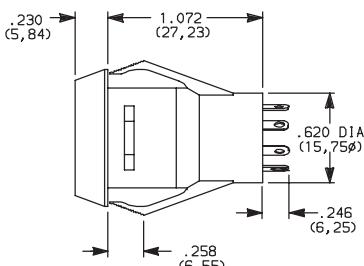
**NICKEL PLATED BRASS KEY WITH
PLASTIC INSERT MOLDED SQUARE HEAD**



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.

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

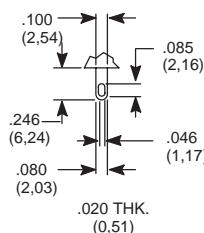
LOCK FINISH

M (STD.) PLASTIC LOCK WITH MATTE FINISH

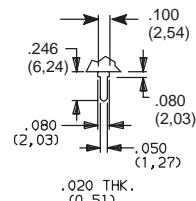
C&K P Series 4 Tumbler Snap-in Switchlocks

TERMINATIONS

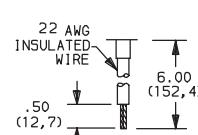
03 (STD.) SOLDER LUG



02 PC THRU-HOLE

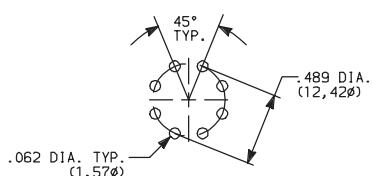


WC WIRE LEAD

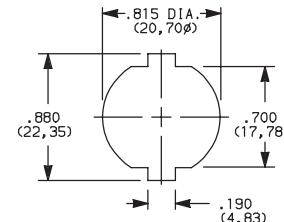


Black wire standard, other colors, gages and lengths available, consult Customer Service Center. UL style 1015.

PC MOUNTING



PANEL MOUNTING



Panel Thickness: .100-200 (2.54-5.08)

CONTACT MATERIAL

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

¹ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.

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

² CONTACTS & TERMINALS: Copper, silver plated (standard with all termination options).

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

³ CONTACTS & TERMINALS: Copper, with gold plate over silver plate.

SEAL

NONE (STD.) NO SEAL

E EPOXY SEAL

