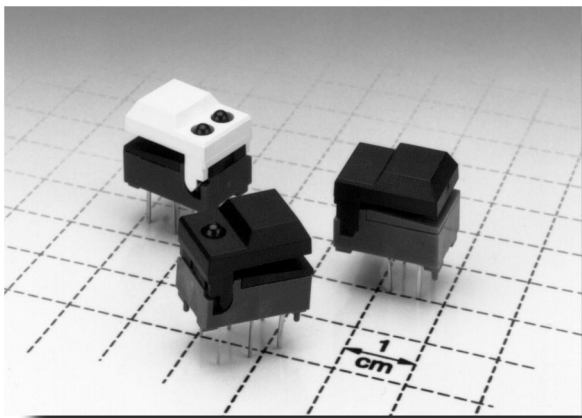


C&K MP Series Key Switches



Features/Benefits

- *Versatile key switch—numerous combinations*
- *Positive tactile feel*
- *Illuminated LED options*

Typical Applications

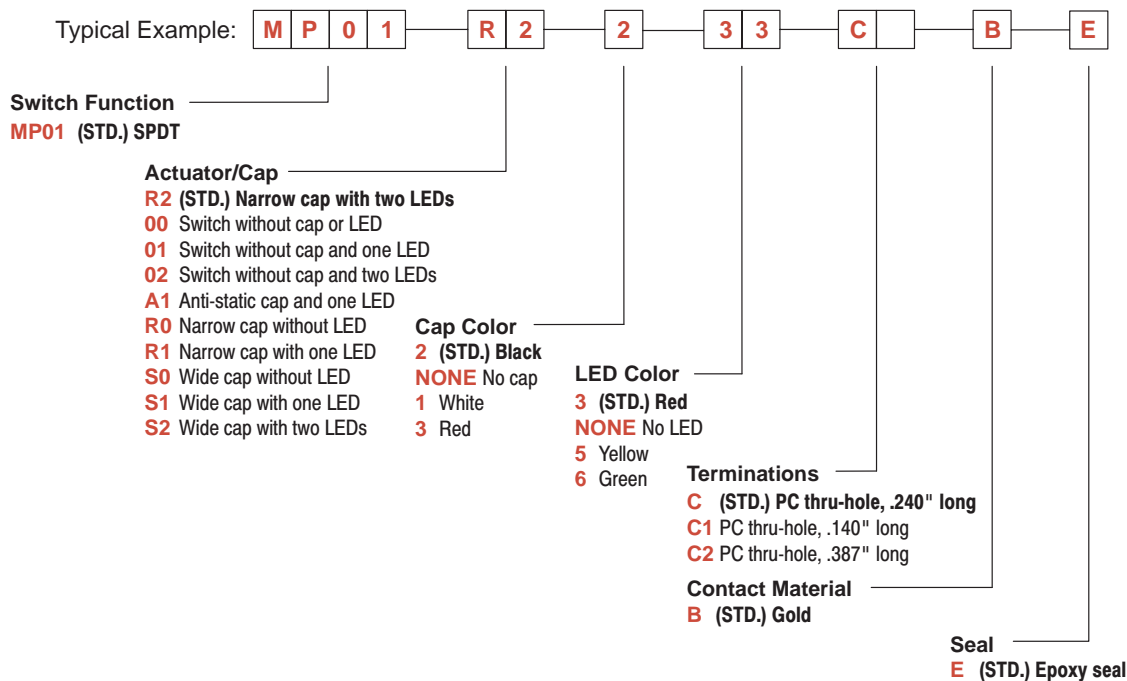
- *Photo equipment*
- *Medical equipment*
- *Data entry*

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 switch with standard options is shown on page C-17. Available options are shown and described on pages C-17 thru C-20. For additional options not shown in catalog, consult Customer Service Center.



Tactile



C&K MP Series Key Switches

Specifications

SWITCHING FUNCTION: SPDT Momentary.
CONTACT RATING: 0.4 VA max. @ 20 V AC or DC max.
ELECTRICAL LIFE: 1,000,000 actuations min. at full load.
CONTACT RESISTANCE: Below 50 milliohms typ. initial
@ 2-4 V DC, 100 mA.
INSULATION RESISTANCE: 10⁹ ohms min.
DIELECTRIC STRENGTH: 1,000 V RMS min. @ sea level.
OPERATING TEMPERATURE: -30°C to 65°C.
OPERATING FORCE: 150 grams typ.

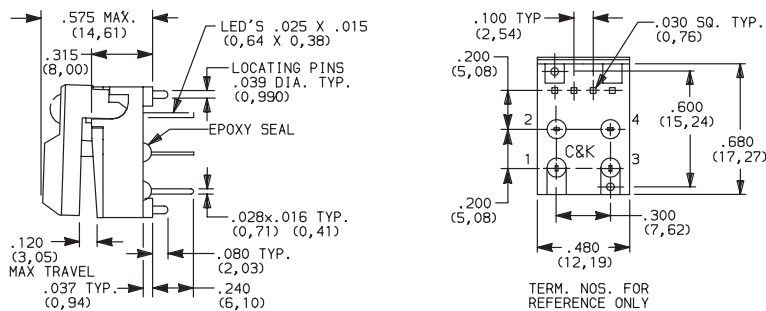
Materials

CASE: Glass filled nylon.
CAP: Polycarbonate - ABS blend (UL 94V-0), matte finish,
9 colors available, consult Customer Service Center.
CONTACTS & TERMINALS: Brass, with gold plate over nickel plate.
TERMINAL SEAL: Epoxy.

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

SWITCH WITH STANDARD OPTIONS

12.19 x 17.27mm Models



MP01R02CBE
SPDT

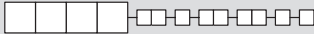


PART NUMBER	FUNCTION	POS. 1	POS. 2
MP01R02CBE MP01R123CBE	SPDT	ON	MOM.

MOM. = Momentary

NOTE: For PC mounting information, see page C-19.

SWITCH FUNCTION



MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
	POS. 1	POS. 2	POS. 1	POS. 2	
MP01	ON	MOM.	2,4-1	2,4-3	

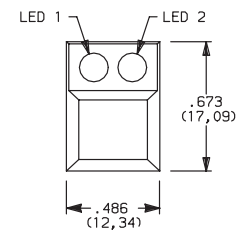
MOM. = Momentary position.

NOTE: Common terminals are connected inside switch.

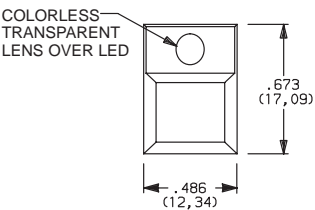
C&K MP Series
Key Switches

ACTUATOR/CAP

- R2 (STD.) NARROW CAP WITH TWO LEDS
- 00 SWITCH WITHOUT CAP OR LED
- 01 SWITCH WITHOUT CAP AND ONE LED
- 02 SWITCH WITHOUT CAP AND TWO LEDS
- A1 ANTI-STATIC CAP AND ONE LED



Part number: 4895



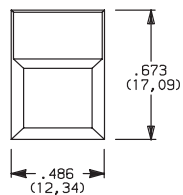
Part number: 5527



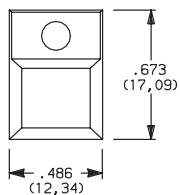
C

Tactile

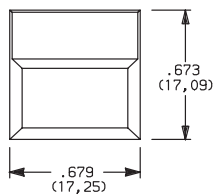
- R0 NARROW CAP WITHOUT LED
- R1 NARROW CAP WITH ONE LED
- S0 WIDE CAP WITHOUT LED
- S1 WIDE CAP WITH ONE LED
- S2 WIDE CAP WITH TWO LEDS



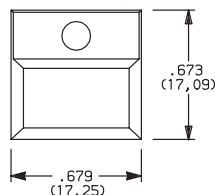
Part number: 4893



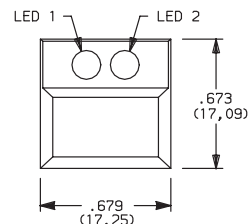
Part number: 4894



Part number: 4896



Part number: 4897



Part number: 4898

CAP COLOR

OPTION CODE	CAP COLOR
2	(STD.) BLACK
NONE	SWITCH WITHOUT CAP
1	WHITE
3	RED

NOTE: Cap finish: matte.
Caps can be ordered separately by specifying the 4 digit part number and color.

LED COLOR

OPTION CODE		LED COLOR
LED 1	LED 2	
3	3	(STD.) RED
NONE	NONE	WITHOUT LED
5	5	YELLOW
6	6	GREEN

LED available in 3 colors, red (std.), see chart. When ordering '02, R2 and S2' cap styles, be sure to specify both LED colors. LED colors may be different.

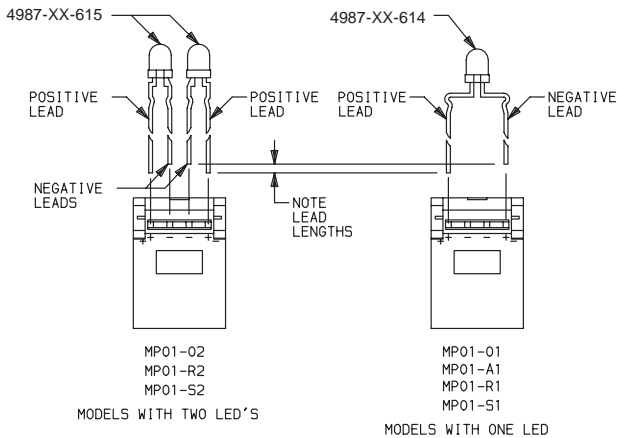
LEDs can be ordered separately, see LED Installation and Specifications at end of section.

LED Installation

LED PART NUMBERS

(Specify when ordering LEDs separately)

LED STYLE	LED COLORS		
	RED	YELLOW	GREEN
For models with one LED (01,A1,R1,S1 cap styles)	4987-03-614	4987-05-614	4987-06-614
For models with two LEDs (02,R2,S2 cap styles)	4987-03-615	4987-05-615	4987-06-615



Use figures above for correct field installation and orientation of LEDs.

LED SPECIFICATIONS

COLOR	TYP. INTENSITY	TYP. FORWARD VOLTAGE	MAX. FORWARD CURRENT	TYP. PEAK EMISSION WAVELENGTH
GREEN	5.0 mcd	2.1 V	25 mA	565 nm
RED	2.0 mcd	2.1 V	20 mA	700 nm
YELLOW	3.5 mcd	2.1 V	25 mA	585 nm



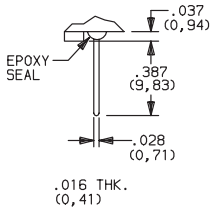
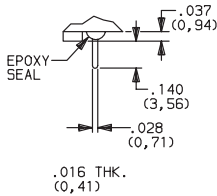
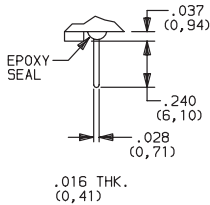
Tactile

TERMINATIONS

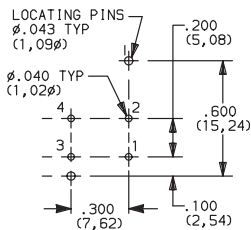
C (STD.) PC THRU-HOLE .24" LONG

C1 PC THRU-HOLE .140" LONG

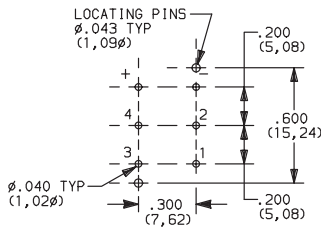
C2 PC THRU-HOLE .387" LONG



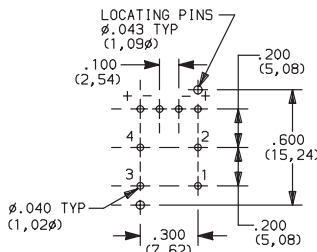
PC MOUNTING



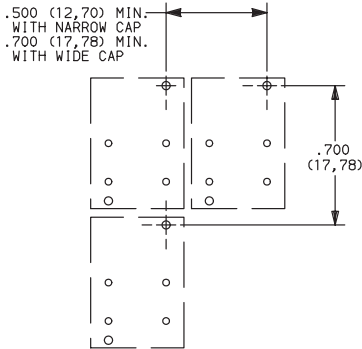
Without LED



With LED



With Two LEDs



Multiple Switch Spacing

C&K MP Series

Key Switches

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
B (STD.)	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 MAX. @ 20 V AC OR DC MAX.

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

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

SEAL

E (STD.) EPOXY SEAL



Tactile

