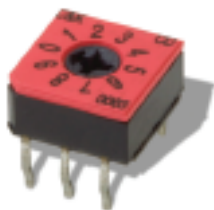


C&K CD Series 8mm DIP Coded Rotary Switches



Features/Benefits

- **Process sealed** – withstands soldering and cleaning
- **Thru-hole and surface mount models**
- **Compact size saves space** – 36% smaller than traditional 10mm DIP
- **Crisp, positive detent ensures actuation**
- **RoHS compliant - option available**

Typical Applications

- **Address switching applications**
- **Data storage devices**
- **Computer and peripherals**
- **Instrumentation**

Specifications

CONTACT RATING: 0.4 VA max. @ 20 V AC or V DC max.

MECHANICAL AND ELECTRICAL LIFE:

CD10 & CD16: 20,000 actuations.

CD08: 12,000 actuations.

CONTACT RESISTANCE: 50 milliohms max. initial.

INSULATION RESISTANCE: 100 megohms min.
@ 250 V AC min.

DIELECTRIC STRENGTH: 250 V RMS min. @ sea level.

OPERATING TEMPERATURE: -25°C to 85°C.

STORAGE TEMPERATURE: -40°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D or EIA RS-186E, method 9 (1 hour steam aging).

PACKAGING: Switches supplied in rigid tubes in full-tube quantities only; this may affect order quantity. Surface mount switches available in tape & reel packaging per EIA 481A, 800 per reel, "MO" actuator only.

Materials

COVER & BASE: Glass filled nylon, flame retardant (UL 94V-0).
RoHS, Version, PPS (UL94V-0).

ACTUATOR: LCP (UL 94V-0), internal o-ring seal standard with all actuators.

KNOB: Glass filled nylon, flame retardant (UL 94V-0).

MOVABLE CONTACTS: Copper alloy with gold plate over nickel plate.

STATIONARY CONTACTS: Copper alloy with gold plate over nickel plate.

TERMINALS: Copper alloy with tin-lead alloy over nickel plate.
RoHS, Version copper alloy with gold plate over nickel plate.

NOTE: For the latest information regarding RoHS compliance, please go to:
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.

How To Order

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.

C D									
Switch Function CD08R 8 position, BCD CD08C 8 position, BCD complement CD10R 10 position, BCD CD10C 10 position, BCD complement CD16R 16 position, Hexadecimal CD16C 16 position, Hexadecimal complement		Actuator M0 Flush, screwdriver slot L1 Extended, screwdriver slot K1 Knob		Terminations A Right Angle, PC Thru-hole C PC Thru-hole S Surface Mount		Contact/Terminal Material K Gold/Tin-Lead B Gold/Gold		Packaging NONE Tube R Tape & Reel (MO actuator only)	



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

DIP

C&K CD Series 8mm DIP Coded Rotary Switches

SWITCH FUNCTION

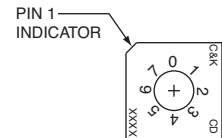


CD08R 8 POSITION, BCD
ACTUATOR COLOR: WHITE

CD08C 8 POSITION, BCD COMPLEMENT
ACTUATOR COLOR: BLACK

POS.	0	1	2	3	4	5	6	7
C	●	●	●	●	●	●	●	●
1		●		●		●		●
2			●		●		●	
4				●	●	●	●	
8								

POS.	0	1	2	3	4	5	6	7
C	●	●	●	●	●	●	●	●
1	●		●		●		●	
2	●	●		●		●		●
4	●	●	●	●				
8	●	●	●	●	●	●	●	●

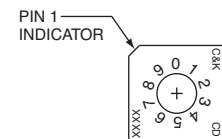


CD10R 10 POSITION, BCD
ACTUATOR COLOR: RED

CD10C 10 POSITION, BCD COMPLEMENT
ACTUATOR COLOR: BLACK

POS.	0	1	2	3	4	5	6	7	8	9
C	●	●	●	●	●	●	●	●	●	●
1		●		●		●		●		●
2			●		●		●		●	
4				●	●	●	●			
8								●	●	

POS.	0	1	2	3	4	5	6	7	8	9
C	●	●	●	●	●	●	●	●	●	●
1	●		●		●		●		●	
2	●	●		●		●		●		●
4	●	●	●	●					●	●
8	●	●	●	●	●	●	●	●		

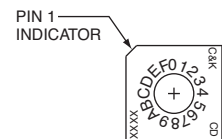


CD16R 16 POSITION, HEXADECIMAL
ACTUATOR COLOR: ORANGE

CD16C 16 POSITION, HEXADECIMAL COMPLEMENT
ACTUATOR COLOR: WHITE

POS.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1		●		●		●		●		●		●		●		●
2			●		●		●		●		●		●		●	
4				●	●	●	●				●	●	●	●		
8								●	●	●	●	●	●	●	●	●

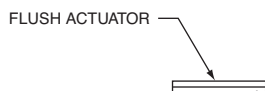
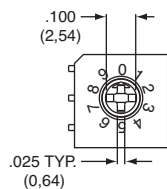
POS.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1	●		●		●		●		●		●		●		●	
2	●	●		●		●		●		●		●		●		●
4	●	●	●	●					●	●	●	●				
8	●	●	●	●	●	●	●	●								



ACTUATOR

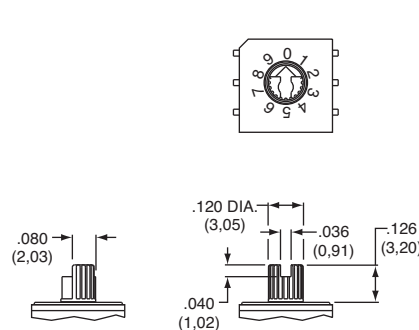


M0 (STD.) FLUSH WITH SCREWDRIVER SLOT

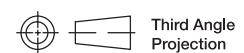
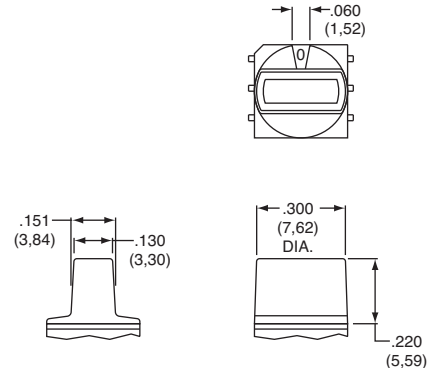


NOTE: Designed for #0 Phillips screwdriver.

L1 EXTENDED WITH SCREWDRIVER SLOT



K1 KNOB



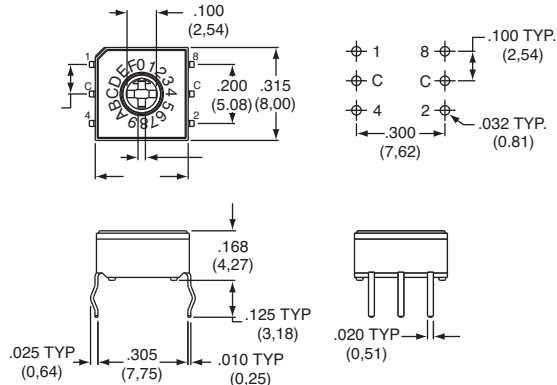
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



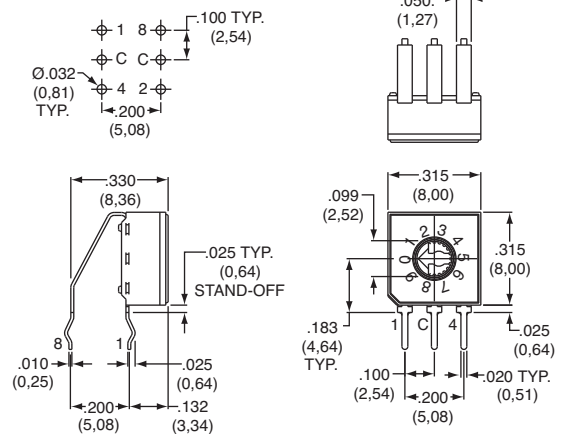
C&K CD Series 8mm DIP Coded Rotary Switches

TERMINATIONS

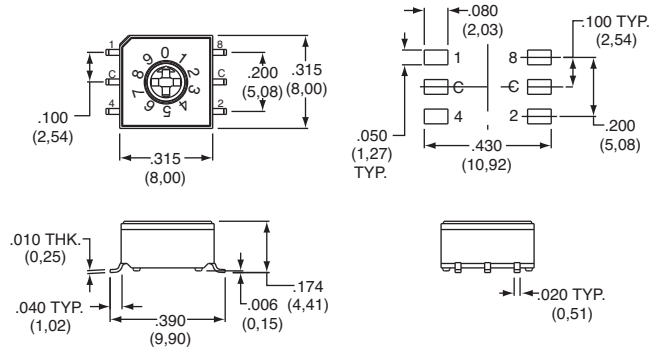
C PC THRU-HOLE



A RIGHT ANGLE, PC THRU-HOLE



S SURFACE MOUNT



CONTACT MATERIAL

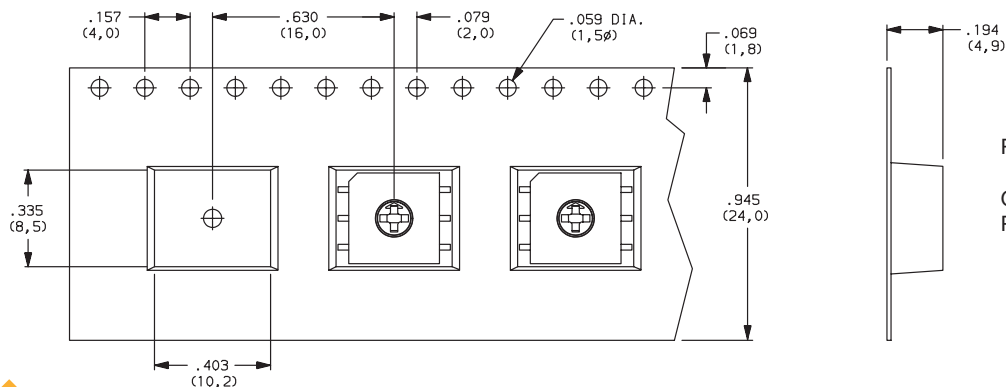
OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT MATERIAL	TERMINAL PLATING	RATING	
K	NO	YES	GOLD	TIN-LEAD	LOW LEVEL/DRY CIRCUIT	0.4 VC MAX. @ 20 V AC or DC MAX.
B	YES	YES	GOLD	GOLD	LOW LEVEL/DRY CIRCUIT	0.4 VC MAX. @ 20 V AC or DC MAX.

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

TAPE & REEL

For part number CDxxMOSK

FEED DIRECTION



Reel Information

Outside diameter 13.00 (333,0)
Pilot hole .512 (13,0)



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

