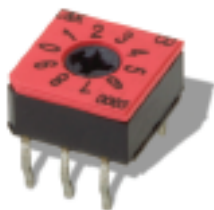


C&K CD Series 8mm DIP Coded Rotary Switches



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.

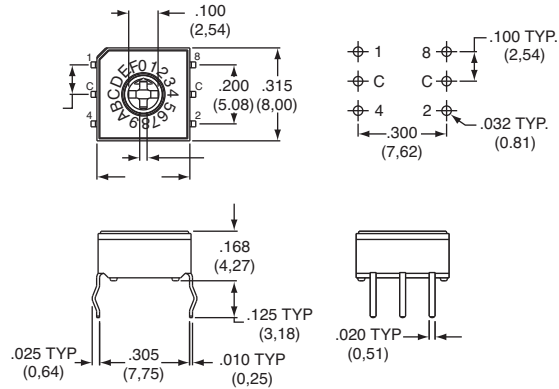
C D						
Switch Function		Actuator		Terminations		
CD08R 8 position, BCD		M0 Flush, screwdriver slot		A Right Angle, PC Thru-hole		
CD08C 8 position, BCD complement		L1 Extended, screwdriver slot		C PC Thru-hole		
CD10R 10 position, BCD		K1 Knob		S Surface Mount		
CD10C 10 position, BCD complement	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

C&K CD Series 8mm DIP Coded Rotary Switches

SWITCHES WITH STANDARD OPTIONS

PC Mount

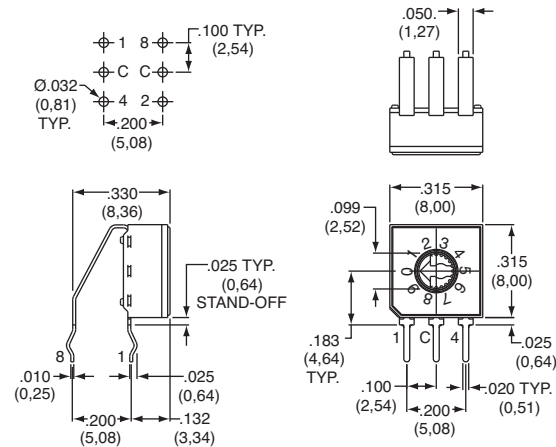
PART NUMBER	NO. POS.	QUANTITY PER TUBE
CD08RM0CK	8	60
CD10RM0CK	10	60
CD16RM0CK	16	60



CD16RM0CK

Right Angle Mount

PART NUMBER	NO. POS.	QUANTITY PER TUBE
CD08RM0AK	8	60
CD10RM0AK	10	60
CD16RM0AK	16	60

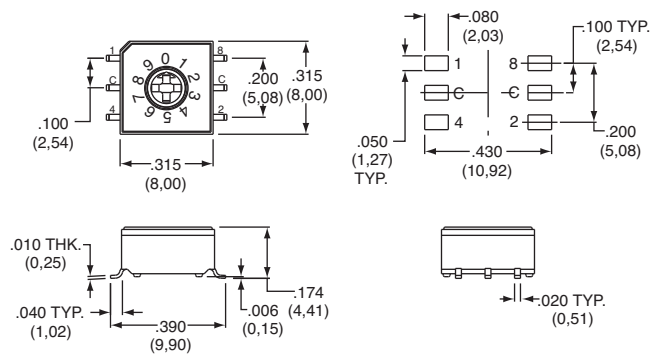


CD10RM0AK

Surface Mount

PART NUMBER	NO. POS.	QUANTITY PER TUBE
CD08RM0SK	8	60
CD10RM0SK	10	60
CD16RM0SK	16	60

Note: For tape and reel packaging, add 'R' to end of part number.



CD10RM0SK

C&K CD Series 8mm DIP Coded Rotary Switches

SWITCH FUNCTION

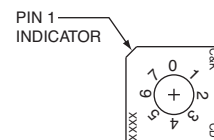


CD08R 8 POSITION, BCD
ACTUATOR COLOR: WHITE

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	●	●	●	●	●	●	●	●

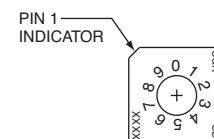


CD10R 10 POSITION, BCD
ACTUATOR COLOR: RED

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	●	●	●	●	●	●	●	●		

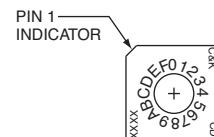


CD16R 16 POSITION, HEXADECIMAL
ACTUATOR COLOR: ORANGE

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									●	●	●	●	●	●	●	●

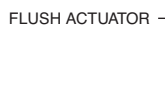
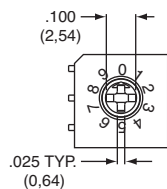
POS.	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1	●				●		●		●		●		●		●	
2	●	●				●			●	●		●		●		
4	●	●	●	●					●	●	●	●				
8	●	●	●	●	●	●	●	●								



ACTUATOR

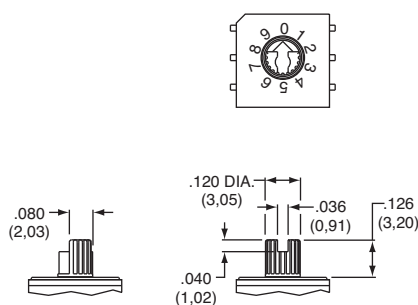


M0 (STD.) FLUSH WITH SCREWDRIVER SLOT

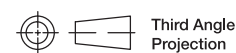
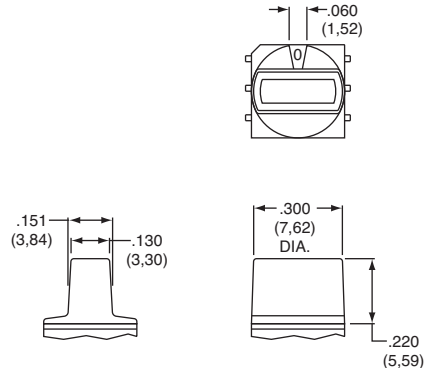


NOTE: Designed for #0 Phillips screwdriver.

L1 EXTENDED WITH SCREWDRIVER SLOT



K1 KNOB



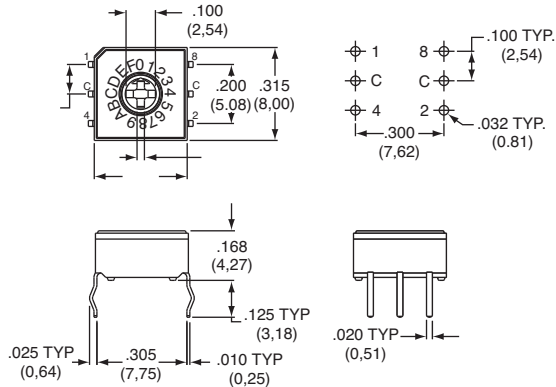
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



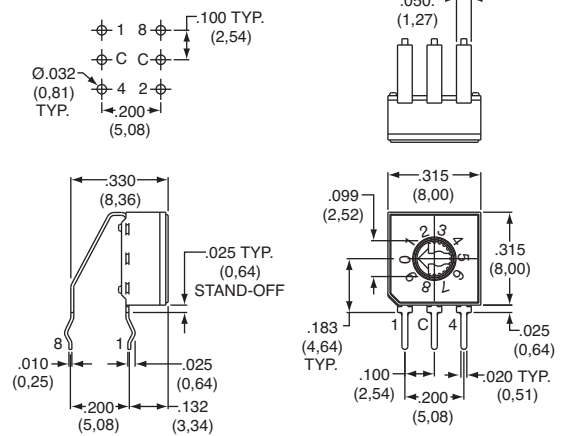
C&K CD Series 8mm DIP Coded Rotary Switches

TERMINATIONS

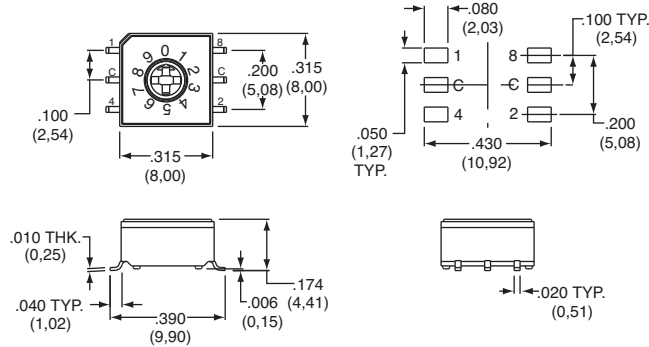
C PC THRU-HOLE



A RIGHT ANGLE, PC THRU-HOLE



S SURFACE MOUNT



CONTACT MATERIAL

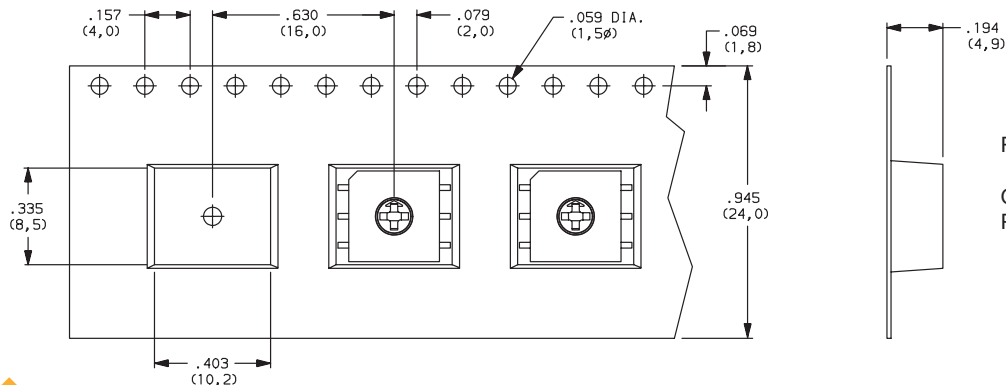
OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT MATERIAL	TERMINAL PLATING	RATING	
K	NO	YES	GOLD	TIN-LEAD	LOW LEVEL/DRY CIRCUIT	0.4 VC MAX. @ 20 V AC or DC MAX.
B	YES	YES	GOLD	GOLD	LOW LEVEL/DRY CIRCUIT	0.4 VC MAX. @ 20 V AC or DC MAX.

* 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

