

Distributed by:

**JAMECO**<sup>®</sup>  
ELECTRONICS

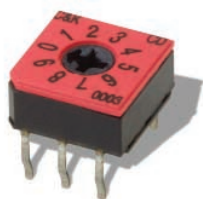
**www.Jameco.com ♦ 1-800-831-4242**

The content and copyrights of the attached  
material are the property of its owner.

Jameco Part Number 581301

# 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**

### 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, "M0" actuator only.

### Materials

COVER & BASE: Glass filled nylon, flame retardant (UL 94V-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.

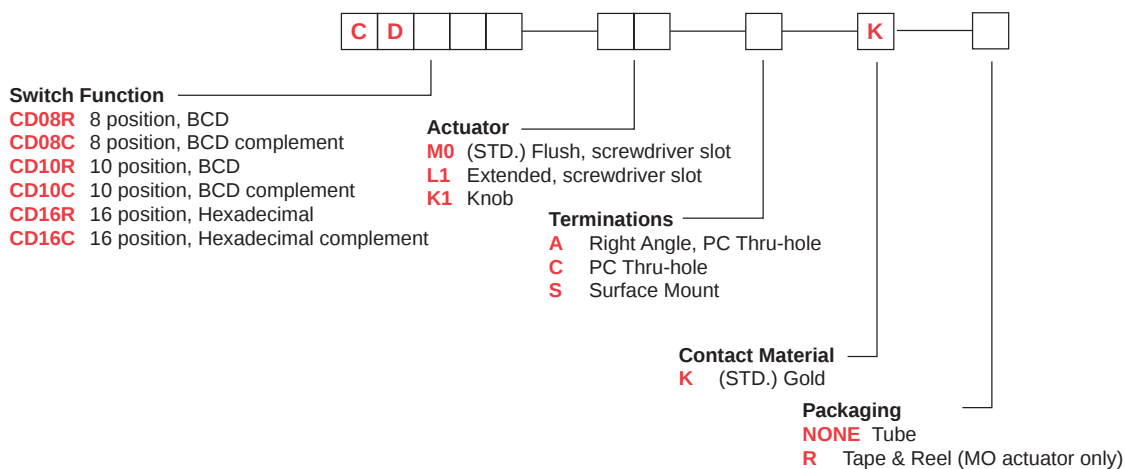
STATIONARY CONTACTS: Copper alloy with gold plate over nickel plate.

TERMINALS: Copper alloy with tin-lead alloy over nickel plate. All terminals are insert molded.

**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. .

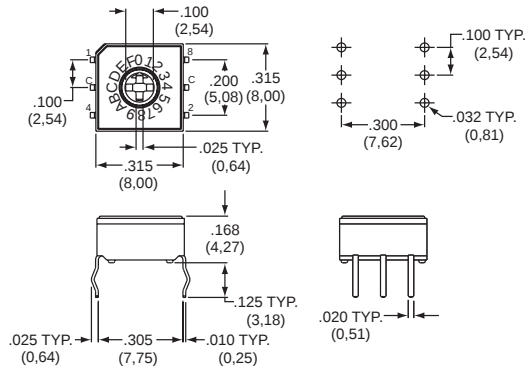


# C&K CD Series 8mm DIP Coded Rotary Switches

## SWITCHES WITH STANDARD OPTIONS

### PC Mount

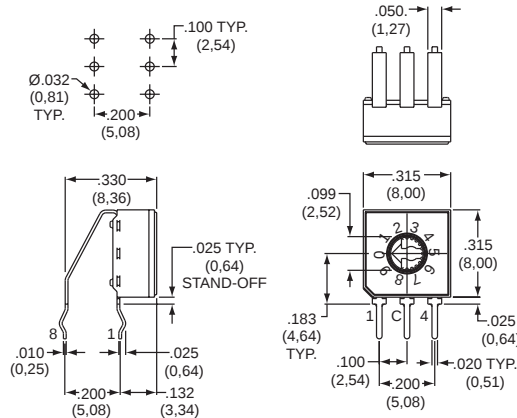
| PART NUMBER | NO. POS. | QUANTITY PER TUBE |
|-------------|----------|-------------------|
| CD08RM0CK   | 8        | 60                |
| CD10RM0CK   | 10       | 60                |
| CD16RM0CK   | 16       | 60                |



CD16RM0CK

### Right Angle Mount

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

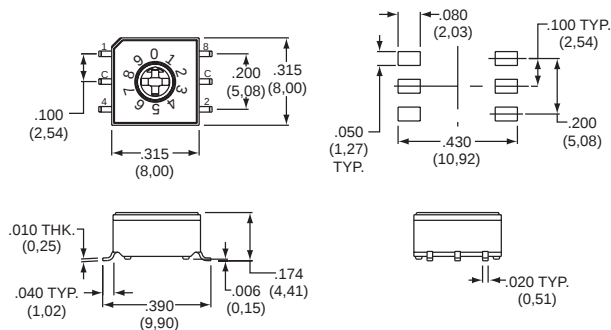


CD10RM0AK

### 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



Third Angle  
Projection

Dimensions are shown inch (mm)  
Dimensions subject to change

# C&K CD Series

## 8mm DIP Coded Rotary Switches



DIP

8

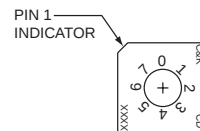
### SWITCH FUNCTION

**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    | ● | ● | ● | ● | ● | ● | ● | ● |

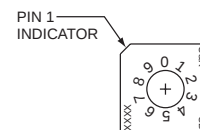


**CD10R** 10 POSITION, BCD  
ACTUATOR COLOR: WHITE

**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    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

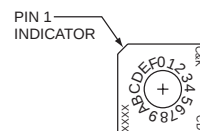


**CD16R** 16 POSITION, HEXADECIMAL  
ACTUATOR COLOR: WHITE

**CD16C** 16 POSITION, HEXADECIMAL COMPLEMENT  
ACTUATOR COLOR: BLACK

| 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    | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

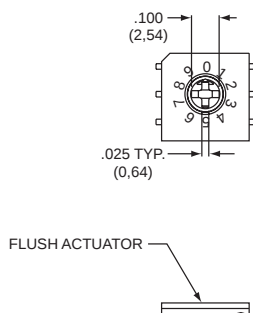


### ACTUATOR

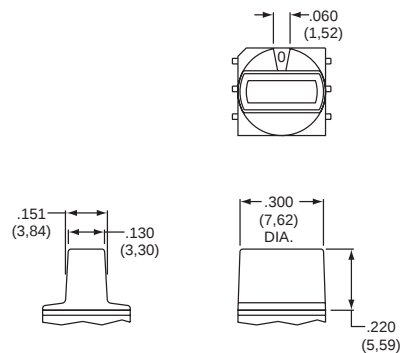
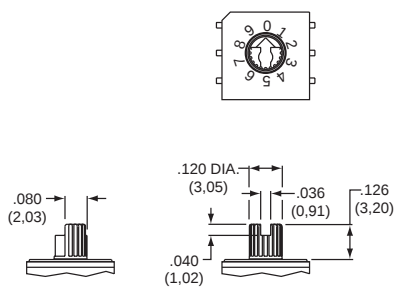
**M0** (STD.) FLUSH WITH SCREWDRIVER SLOT

**L1** EXTENDED WITH SCREWDRIVER SLOT

**K1** KNOB



NOTE: Designed for #0 Phillips screwdriver.



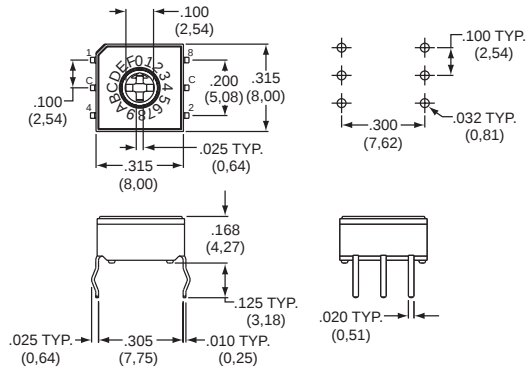
ITT Industries

Cannon

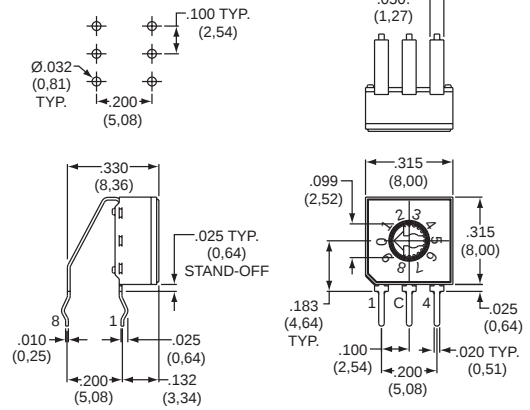
# C&K CD Series 8mm DIP Coded Rotary Switches

## TERMINATIONS

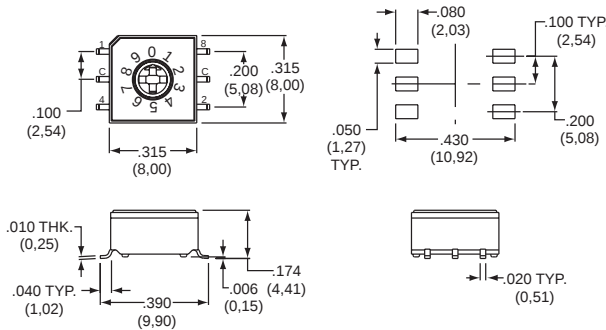
### C PC THRU-HOLE



### A RIGHT ANGLE, PC THRU-HOLE



### S SURFACE MOUNT



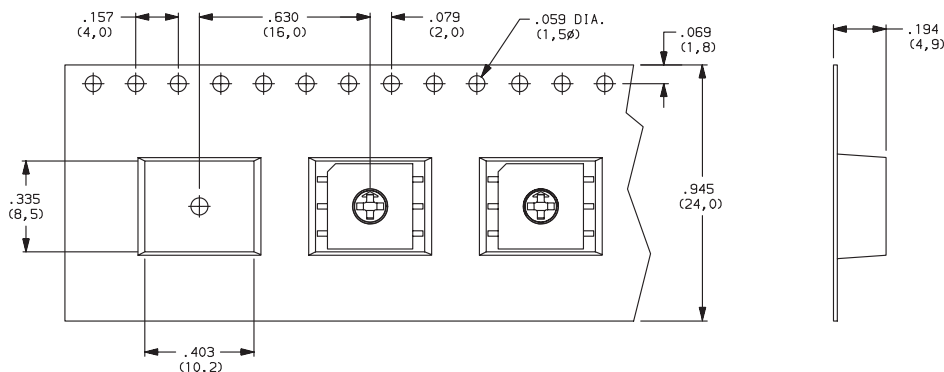
## CONTACT MATERIAL

| OPTION CODE | CONTACT MATERIAL | TERMINAL PLATING | RATING                                                 |
|-------------|------------------|------------------|--------------------------------------------------------|
| K (STD.)    | GOLD             | TIN-LEAD         | LOW LEVEL/DRY CIRCUIT 0.4 VC MAX. @ 20 V AC or DC MAX. |

## TAPE & REEL

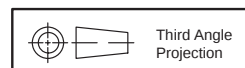
For part number CDxxMOSK

FEED DIRECTION



### Reel Information

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



Dimensions are shown inch (mm)  
Dimensions subject to change