

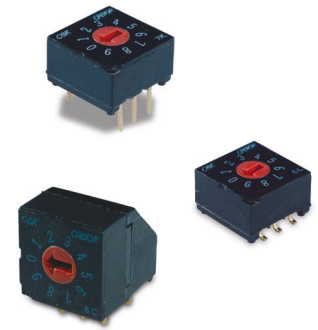
CRD Series 10mm DIP Coded Rotary Switches

Features/Benefits

- **Process sealed – withstands soldering and cleaning**
- **Thru-hole and surface mount models**
- **Crisp, positive detent ensures actuation**
- **Computer and peripherals**
- **RoHS compliant**
- **IP65**

Typical Applications

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



H

DIP

Specifications

CONTACT RATING: 0.4 V AC, DC 20 V max.

ELECTRICAL LIFE: 20,000 steps min. @ 5 V DC 10 mA.

MECHANICAL LIFE: 30,000 steps min.

CONTACT RESISTANCE: 100 milliohms max. initial
@ 2 V DC 10 mA.

INSULATION RESISTANCE: 1000 megohms min. @ 100 V DC

DIELECTRIC STRENGTH: 300 V AC for 1 minute.

OPERATING TEMPERATURE: -20°C to 85°C.

STORAGE TEMPERATURE: -40°C to 85°C.

OPERATING FORCE: 1000 grams max.

PACKAGING: Switches supplied in anti-static tubes in full quantities only. This may affect order quantity. Surface mount models with MO actuators available in tape and reel, 500 pieces per reel.

Materials

COVER: PPS (black)

HOUSING: PPS (black)

ACTUATOR: PA 6T M0 actuator option; PBT L1 and W1 actuator option.

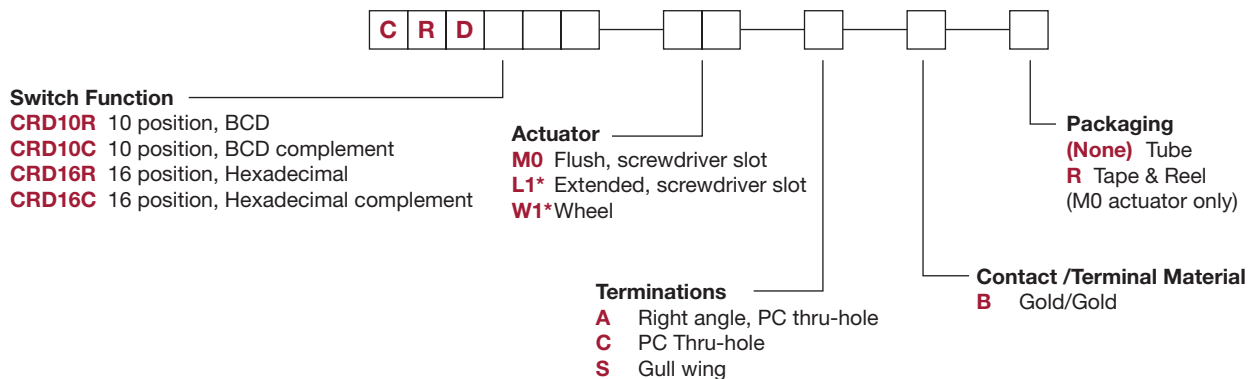
CONTACTS: Beryllium Copper with Gold over Nickel plate

TERMINALS: Brass with Gold Nickel plate.

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

The 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.



* Note - L1 & W1 actuators are available for terminations A & C and switch functions CRD16R & CRD16C
- L1 & W1 actuators are not available for termination S and switch functions CRD10R & CRD10C



Third Angle
Projection

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

DIP H

PART NUMBER	NO. POS.	QUANTITY PER TUBE
CRD10RM0CB	10	45
CRD16RM0CB	16	45

PART NUMBER	NO. POS.	QUANTITY PER TUBE
CRD10RM0AB	10	45
CRD16RM0AB	16	45

PART NUMBER	NO. POS.	QUANTITY PER TUBE
CRD10RM0SB	10	45
CRD16RM0SB	16	45



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

CRD Series 10mm DIP Coded Rotary Switches

SWITCH FUNCTION



H

DIP

CRD10R

10 POSITION, BCD
ACTUATOR COLOR: RED

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

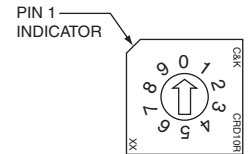
Switches ship and to be solder processed in position "0"

CRD10C

10 POSITION, BCD COMPLEMENT
ACTUATOR COLOR: ORANGE

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

Switches ship and to be solder processed in position "7"



CRD16R

16 POSITION, HEXADECIMAL
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								●	●	●	●	●	●	●	●	●

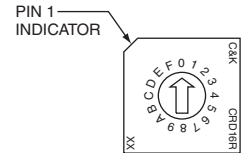
Switches ship and to be solder processed in position "0"

CRD16C

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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

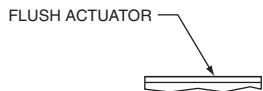
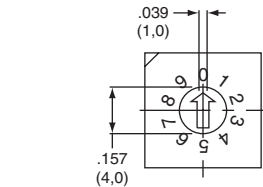
Switches ship and to be solder processed in position "F"



ACTUATOR

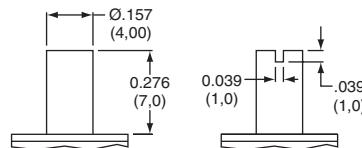
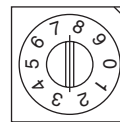


(STD.) FLUSH WITH SCREWDRIVER SLOT



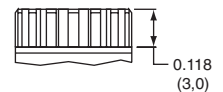
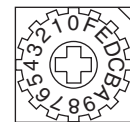
L1*

EXTENDED WITH SCREWDRIVER SLOT



W1*

WHEEL



Note: Designed for #0 Phillips screwdriver.

Note: - L1 & W1 actuators are available for terminations A & C and switch functions CRD16R & CRD16C
- L1 & W1 actuators are not available for termination S and switch functions CRD10R & CRD10C



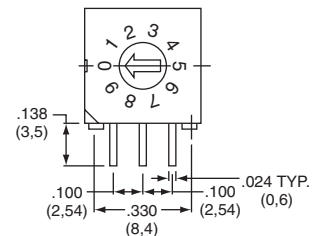
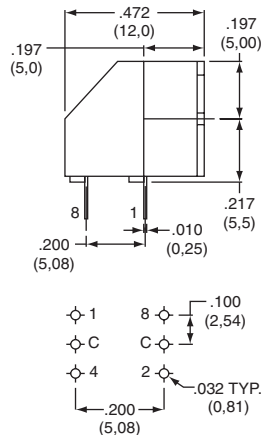
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



8 Feb 23

DIP H

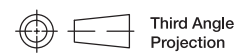
A RIGHT ANGLE, PC THRU-HOLE



MO

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

Figure 10 is a technical drawing of a multi-hole punch part. The drawing includes a side view and a cross-section view. The side view shows a series of holes with the following dimensions: .158 (4,0) for hole spacing, .630 (16,0) for hole spacing, .079 (2,0) for hole diameter, .059 DIA (1,5) for hole diameter, .069 (1,8) for hole diameter, and .945 (24,0) for overall height. The cross-section view shows the internal structure of the punch. A 'FEED DIRECTION' arrow points to the right.



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