

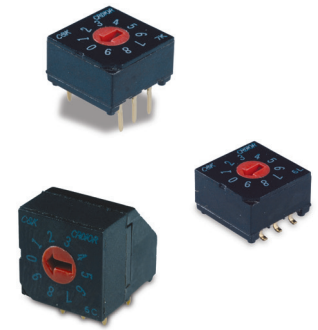
CRD Series 10mm DIP Coded Rotary Switches

Features/Benefits

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

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.

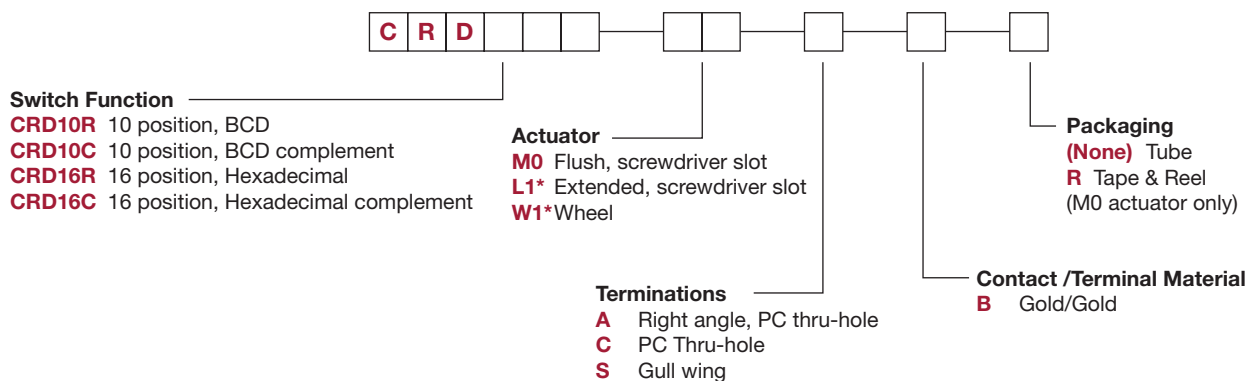
CONTACTS: Beryllium Copper with Gold over Nickel plate

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 and W1 actuators are not available in termination "S"



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								●	●	

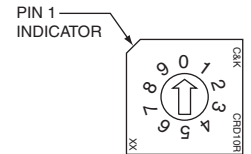
Switches ship and to be solder processed in position "0"

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							●		●		●		●		●	

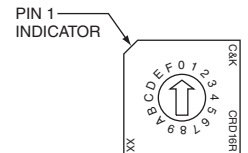
Switches ship and to be solder processed in position "0"

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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

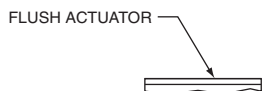
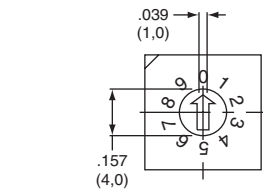
Switches ship and to be solder processed in position "F"



ACTUATOR

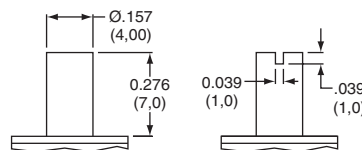
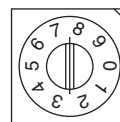


(STD.) FLUSH WITH SCREWDRIVER SLOT



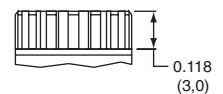
L1*

EXTENDED WITH SCREWDRIVER SLOT



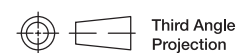
W1*

WHEEL



NOTE: Designed for #0 Phillips screwdriver.

* L1 and W1 actuators are not available in termination "S"



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



DIP H

A RIGHT ANGLE, PC THRU-HOLE

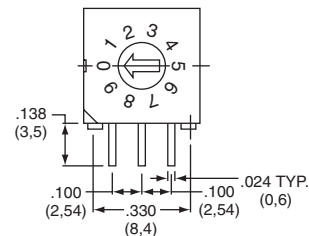
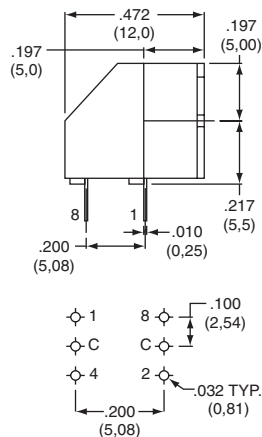
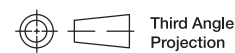


Figure 1: Dimensions of the test specimen. The figure consists of four sub-diagrams showing the overall dimensions and details of the specimen. The top-left diagram shows a square specimen with a central circular hole. The outer dimensions are 10.0 inches by 10.0 inches, with a central hole diameter of 3.94 inches. The hole is divided into eight segments, numbered 1 through 8. The top-right diagram shows the dimensions of the eight segments, with a total width of 10.9 inches and a total height of 10.27 inches. The bottom-left diagram shows the dimensions of the specimen's base, with a total width of 9.3 inches and a total height of 0.25 inches. The bottom-right diagram shows the dimensions of the specimen's top, with a total width of 8.4 inches and a total height of 0.6 inches.

MO

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



C&K

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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