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

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.

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.

Switch Function
CRD10R 10 position, BCD
CRD10C 10 position, BCD complement
CRD16R 16 position, Hexadecimal
CRD16C 16 position, Hexadecimal complement

Actuator
M0 Flush, screwdriver slot
L1* Extended, screwdriver slot
W1* Wheel

Terminations
A Right angle, PC thru-hole
C PC Thru-hole
S Gull wing

Packaging
(None)
Tube
R Tape & Reel
(M0 actuator only)

Contact /Terminal Material
B Gold/Gold

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

* Note - L1 and W1 actuators are not available in termination “S”
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SWITCHES WITH STANDARD OPTIONS

PC Mount

Right Angle Mount

Surface Mount

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

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SWITCH FUNCTION

CRD10R
10 POSITION, BCD
ACTUATOR COLOR: RED

CRD10C
10 POSITION, BCD COMPLEMENT
ACTUATOR COLOR: ORANGE

CRD16R
16 POSITION, HEXADECIMAL
ACTUATOR COLOR: BLACK

CRD16C
16 POSITION, HEXADECIMAL COMPLEMENT
ACTUATOR COLOR: WHITE

ACTUATOR

L1*
(STD.) FLUSH WITH SCREWDRIVER SLOT

W1*
EXTENDED WITH SCREWDRIVER SLOT

NOTE: Designed for #0 Phillips screwdriver.

* L1 and W1 actuators are not available in termination “S”
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TERMINATIONS

C  PC, THRU-HOLE

A  RIGHT ANGLE, PC THRU-HOLE

S  SURFACE MOUNT

M0

CONTACT MATERIAL

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>RoHS COMPLIANT*</th>
<th>RoHS COMPATIBLE*</th>
<th>CONTACT MATERIAL</th>
<th>TERMINAL PLATING</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>YES</td>
<td>YES</td>
<td>GOLD</td>
<td>GOLD</td>
<td>LOW LEVEL/DRY CIRCUIT</td>
</tr>
</tbody>
</table>

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

TAPE & REEL