CR Series
Round Single Pole Specialty Rocker Switches

Features/Benefits
- Round actuator and body
- Nice styling
- Multiple illuminated versions available
- IP65 splash proof rubber boot option

Typical Applications
- Appliances, small and large
- Office equipment
- Computers and peripherals
- Audio/Video equipment
- RoHS compliant

Specifications

CONTACT RATING:
16 AMPS @ 125 VAC, 10 AMPS @ 250 VAC.
16 AMPS @ 125 VAC, 10 AMPS @ 250 VAC.
ELECTRICAL LIFE: 10,000 make and break cycles at full load.
INSULATION RESISTANCE: $10^8 \, \Omega_{\text{min}}$.
DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.
OPERATING TEMPERATURE: -20ºC to + 85ºC

Materials
ILLUMINATED ACTUATOR: Polycarbonate, matte finish.
CENTER CONTACTS: Silver plated, copper alloy.
END CONTACTS: Silver plated AgSn02ln03.
ALL TERMINALS: Silver plated, copper alloy.

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

Build-A-Switch
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G–83 through G–85. For additional options not shown in catalog, consult Customer Service Center.

<table>
<thead>
<tr>
<th>Switch Function</th>
<th>Actuator</th>
<th>Actuator Color</th>
<th>Contact Rating</th>
<th>Lamp Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR101 SPDT On-None-On</td>
<td>J1 Rocker</td>
<td>2 Black</td>
<td>QF Silver</td>
<td>(NONE) No lamp</td>
</tr>
<tr>
<td>CR102 SPST On-None-Off</td>
<td>J2* Two-tone rocker</td>
<td>1 White</td>
<td></td>
<td>6 LED</td>
</tr>
<tr>
<td></td>
<td>J3 Illuminated rocker</td>
<td>3 Red</td>
<td></td>
<td>7 125 VAC neon</td>
</tr>
<tr>
<td></td>
<td>J4** Circle, illuminated rocker</td>
<td>R Red, illuminated</td>
<td></td>
<td>8 250 VAC neon</td>
</tr>
<tr>
<td></td>
<td>J5 Oval, illuminated rocker</td>
<td>A Amber, illuminated</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>JN Paddle, rocker</td>
<td>G Green, illuminated</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>JP Paddle, illuminated rocker</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Termination
15 .187” quick connect

Mounting Style/Color
S2 Snap-in, black
S1 Snap-in, white

* Refer to table on page 84 for actuator options.
## Switch Function

<table>
<thead>
<tr>
<th>No. Poles</th>
<th>Model No.</th>
<th>Switch Function</th>
<th>Connected Terminals</th>
<th>Schematic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CR101</td>
<td>SP ON NONE ON</td>
<td>2-3 N/A</td>
<td></td>
</tr>
<tr>
<td>SP</td>
<td>CR102</td>
<td>SP ON NONE OFF</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### Breakdown of Terminals

<table>
<thead>
<tr>
<th>No.</th>
<th>POLES</th>
<th>MODEL NO.</th>
<th>SWITCH FUNCTION</th>
<th>CONNECTED TERMINALS</th>
<th>SCHEMATIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3</td>
<td>2-1</td>
<td>ON</td>
<td>2-3 N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-1</td>
<td>N/A</td>
<td>NONE</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dimensions

- Dimensions are shown: Inches (mm)
- Specifications and dimensions subject to change
- www.ck-components.com

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## Actuator

**J1** ROCKER

**J3** ILLUMINATED ROCKER

**J2** TWO-TONE ROCKER

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**NOTE:** J3 actuator available with the combination of 7 & 8 lamp ratings and CR102 switch function only.

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**Specifications and dimensions subject to change**

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**Dimensions are shown: Inches (mm)**

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**G-79**

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ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER

J5 OVAL, ILLUMINATED ROCKER

NOTE: Available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

JN PADDLE, ROCKER
JP PADDLE, ILLUMINATED ROCKER

NOTE: JP actuator available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

ACTUATOR COLOR

<table>
<thead>
<tr>
<th>ACTUATOR</th>
<th>OPTION CODE</th>
<th>ACTUATOR COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>J1</td>
<td>2</td>
<td>BLACK</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>WHITE</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>RED</td>
</tr>
<tr>
<td>J3, J4</td>
<td>R</td>
<td>RED, ILLUMINATED</td>
</tr>
<tr>
<td>J5, JP</td>
<td>A</td>
<td>AMBER, ILLUMINATED</td>
</tr>
<tr>
<td></td>
<td>G</td>
<td>GREEN, ILLUMINATED</td>
</tr>
</tbody>
</table>

J2 actuator only

<table>
<thead>
<tr>
<th>ACTUATOR</th>
<th>OPTION CODE</th>
<th>ACTUATOR COLOR TOP</th>
<th>ACTUATOR COLOR BOTTOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>J2</td>
<td>1</td>
<td>WHITE</td>
<td>RED</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>WHITE</td>
<td>BLACK</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>RED</td>
<td>WHITE</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>BLACK</td>
<td>WHITE</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>BLACK</td>
<td>RED</td>
</tr>
</tbody>
</table>

MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK
S1 SNAP-IN, WHITE

Panel mounting:
Panel thickness: 0.7 - 3.0 mm

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

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TERMINATION

15 .187" QUICK CONNECT

CONTACT MATERIAL

<table>
<thead>
<tr>
<th>OPTION CODE</th>
<th>CONTACT AND TERMINAL MATERIAL</th>
<th>RATINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>QF</td>
<td>SILVER</td>
<td>16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC</td>
</tr>
</tbody>
</table>

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

LAMP RATING

(NONE) NO LAMP
6 LED RATING @ 10 mA V_f=1.85V
7 125 VAC 33kΩ NEON
8 250 VAC 150kΩ NEON

ACCESSORIES

377C00000 IP65 SPLASH PROOF RUBBER BOOT