

# 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



**UL** **61058-1**

### 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:  $10^8 \Omega$  min.  
DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.  
OPERATING TEMPERATURE: -20°C to + 85°C

### Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), matte finish.  
ILLUMINATED ACTUATOR: Polycarbonate, matte finish.  
CENTER CONTACTS: Silver plated, copper alloy.  
END CONTACTS: Silver plated AgSnO<sub>2</sub>InO<sub>3</sub>.  
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.

|                                                                                               |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                |                                                                                           |                                                          |                                                |                                                                                                                       |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <div>Switch Function</div> <div>CR101 SPDT On-None-On</div> <div>CR102 SPST On-None-Off</div> | <div>Actuator</div> <div>J1 Rocker</div> <div>J2* Two-tone rocker</div> <div>J3 Illuminated rocker</div> <div>J4** Circle, illuminated rocker</div> <div>J5 Oval, illuminated rocker</div> <div>JN Paddle, rocker</div> <div>JP Paddle, illuminated rocker</div> | <div>Actuator Color</div> <div>2 Black</div> <div>1 White</div> <div>3 Red</div> <div>R Red, illuminated</div> <div>A Amber, illuminated</div> <div>G Green, illuminated</div> | <div>Mounting Style/Color</div> <div>S2 Snap-in, black</div> <div>S1 Snap-in, white</div> | <div>Termination</div> <div>15 .187" quick connect</div> | <div>Contact Rating</div> <div>QF Silver</div> | <div>Lamp Rating</div> <div>(NONE) No lamp</div> <div>6 LED</div> <div>7 125 VAC neon</div> <div>8 250 VAC neon</div> |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|

\* Refer to table on page 84 for actuator options.

Rocker



G

**C&K**

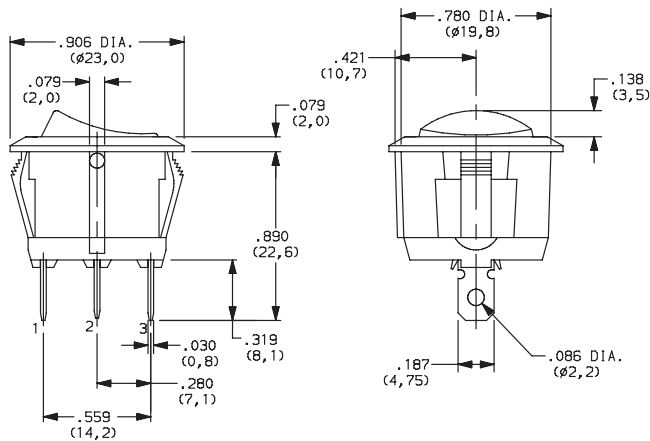
Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change

# CR Series Round Single Pole Specialty Rocker Switches

## SWITCH FUNCTION



| NO. POLES | MODEL NO. | SWITCH FUNCTION              |        |        | CONNECTED TERMINALS          |        |        | SCHEMATIC                                    |
|-----------|-----------|------------------------------|--------|--------|------------------------------|--------|--------|----------------------------------------------|
|           |           | Pos. 1                       | Pos. 2 | Pos. 3 | Pos. 1                       | Pos. 2 | Pos. 3 |                                              |
|           |           |                              |        |        |                              |        |        |                                              |
|           |           | C&K marking on opposite side |        |        | C&K marking on opposite side |        |        |                                              |
| SP        | CR101     | ON                           | NONE   | ON     | 2-3                          |        | 2-1    |                                              |
|           | CR102     | ON                           | NONE   | OFF    |                              | N/A    |        | <br>OR<br><br>For 7 & 8 Illuminated Versions |
|           |           |                              |        |        |                              |        |        |                                              |

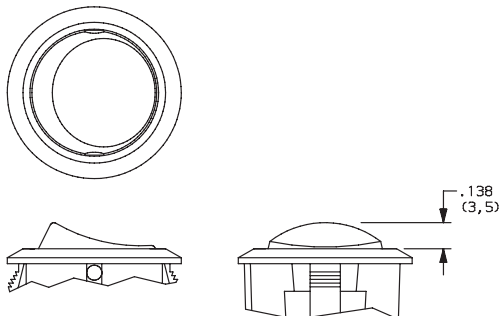


## ACTUATOR



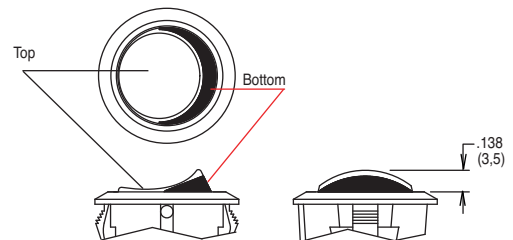
**J1** ROCKER

**J3** ILLUMINATED ROCKER



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

**J2** TWO-TONE ROCKER



Third Angle  
Projection

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

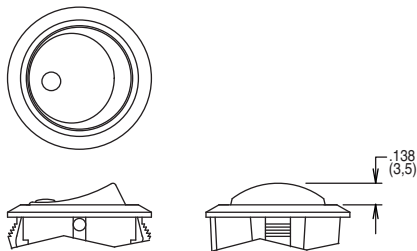
**C&K**

# CR Series

## Round Single Pole Specialty Rocker Switches

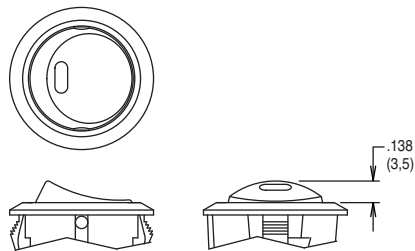
### ACTUATOR

**J4** CIRCLE, ILLUMINATED ROCKER



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

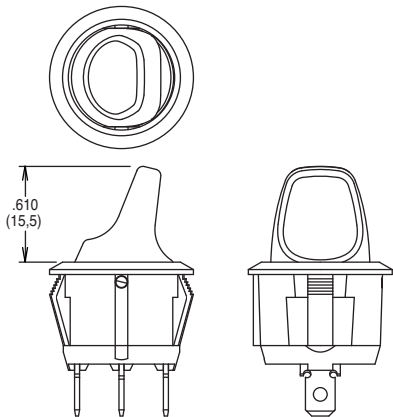
**J5** OVAL, ILLUMINATED ROCKER



**NOTE:** Available with the combination of CR102 switch function and 6 lamp rating only.

**JN** PADDLE, ROCKER

**JP** PADDLE, ILLUMINATED ROCKER

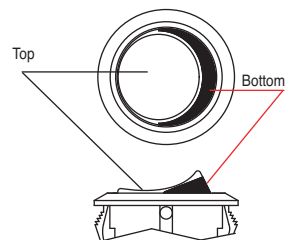


**NOTE:** JP actuator available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

### ACTUATOR COLOR

| ACTUATOR                       | OPTION CODE | ACTUATOR COLOR     |
|--------------------------------|-------------|--------------------|
| <b>J1</b>                      | <b>2</b>    | BLACK              |
|                                | <b>1</b>    | WHITE              |
|                                | <b>3</b>    | RED                |
| <b>J3, J4</b><br><b>J5, JP</b> | <b>R</b>    | RED, ILLUMINATED   |
|                                | <b>A</b>    | AMBER, ILLUMINATED |
|                                | <b>G</b>    | GREEN, ILLUMINATED |

| ACTUATOR  | OPTION CODE | ACTUATOR COLOR |        |
|-----------|-------------|----------------|--------|
|           |             | TOP            | BOTTOM |
| <b>J2</b> | <b>1</b>    | WHITE          | RED    |
|           | <b>2</b>    | WHITE          | BLACK  |
|           | <b>3</b>    | RED            | WHITE  |
|           | <b>4</b>    | BLACK          | WHITE  |
|           | <b>5</b>    | BLACK          | RED    |

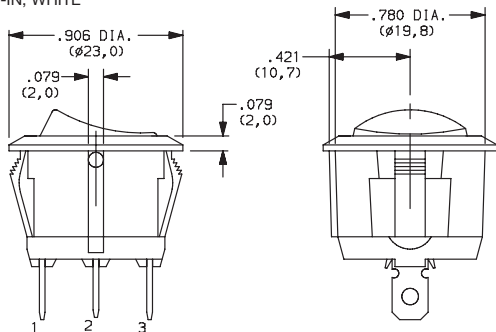


J2 actuator only

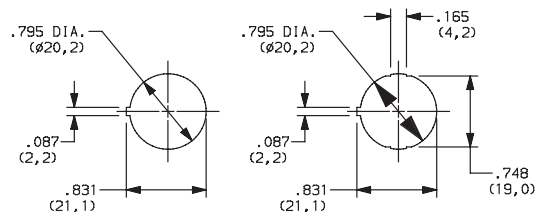
### MOUNTING STYLE/COLOR

**S2** SNAP-IN, BLACK

**S1** SNAP-IN, WHITE

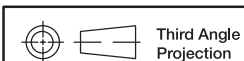


#### PANEL MOUNTING



Panel thickness:  
2.0 - 3.0 mm

Panel thickness:  
0.7 - 3.0 mm



Third Angle  
Projection

Dimensions are shown: Inches (mm)

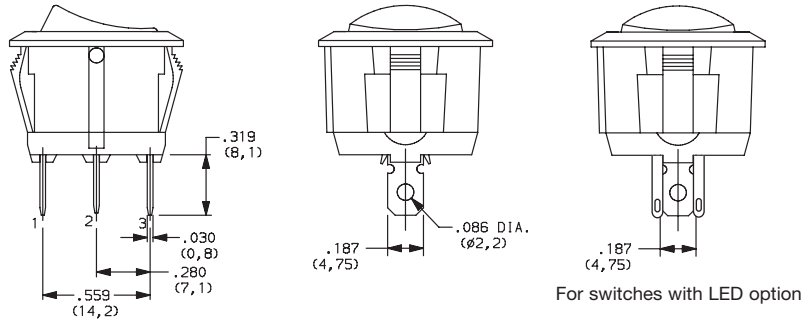
Specifications and dimensions subject to change

# CR Series Round Single Pole Specialty Rocker Switches

## TERMINATION



**15** .187" QUICK CONNECT



## CONTACT MATERIAL



| OPTION CODE | CONTACT AND TERMINAL MATERIAL | RATINGS |                                                                                                                          |
|-------------|-------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------|
|             |                               | POWER   | 16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC  |
| <b>QF</b>   | SILVER                        |         |                                                                                                                          |

\* 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 33k $\Omega$  NEON

**8** 250 VAC 150k $\Omega$  NEON

## ACCESSORIES

**377C00000** IP65 SPLASH PROOF RUBBER BOOT

