

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 US 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 AgSnO₂InO₃.

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-78 through G-80. For additional options not shown in catalog, consult Customer Service Center.

<p>Switch Function</p> <p>CR101 SPDT On-None-On</p> <p>CR102 SPST On-None-Off</p> <p>Actuator</p> <p>J1 Rocker</p> <p>J2* Two-tone rocker</p> <p>J3 Illuminated rocker</p> <p>J4** Circle, illuminated rocker</p> <p>J5 Oval, illuminated rocker</p> <p>JN Paddle, rocker</p> <p>JP Paddle, illuminated rocker</p>	<p>Actuator Color</p> <p>2 Black</p> <p>1 White</p> <p>3 Red</p> <p>R Red, illuminated</p> <p>A Amber, illuminated</p> <p>G Green, illuminated</p> <p>Mounting Style/Color</p> <p>S2 Snap-in, black</p> <p>S1 Snap-in, white</p>	<p>Termination</p> <p>15 .187" quick connect</p> <p>Contact Rating</p> <p>QF Silver</p> <p>Lamp Rating</p> <p>(NONE) No lamp</p> <p>6 LED</p> <p>7 125 VAC neon</p> <p>8 250 VAC neon</p>
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* Refer to table on page G-79 for actuator options.



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

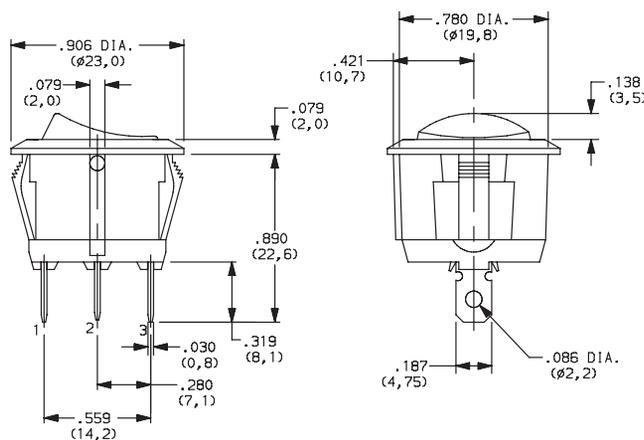


CR Series Round Single Pole Specialty Rocker Switches

SWITCH FUNCTION



NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
SP	CR101	ON	NONE	ON	2-3		2-1	
	CR102	ON	NONE	OFF		N/A		<p>OR</p> <p>For 7 & 8 Illuminated Versions</p>



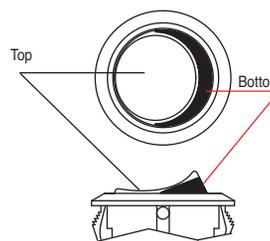
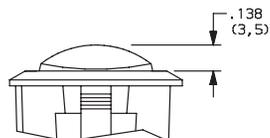
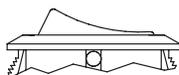
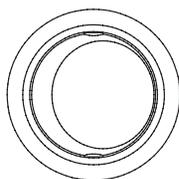
ACTUATOR



- J1** ROCKER
- J3** ILLUMINATED ROCKER

- J2** TWO-TONE ROCKER

Rocker

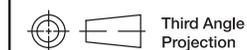


NOTE: J3 actuator available with the combination of 7 & 8 lamp ratings and CR102 switch function only.



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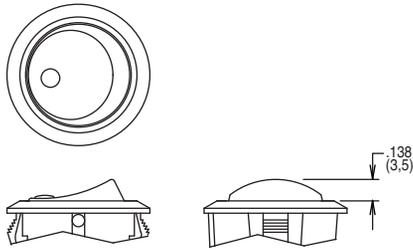
Third Angle
Projection

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

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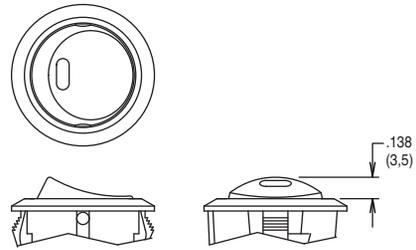
ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER



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

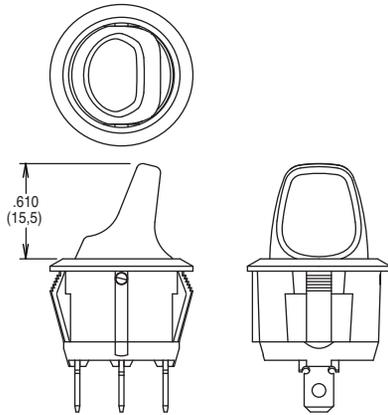
J5 OVAL, ILLUMINATED ROCKER



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

JN PADDLE, ROCKER

JP PADDLE, ILLUMINATED ROCKER

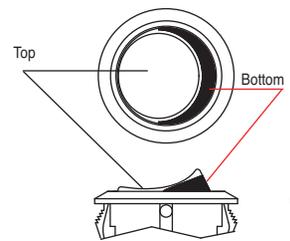


NOTE: JP actuator available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

ACTUATOR COLOR

ACTUATOR	OPTION CODE	ACTUATOR COLOR
J1	2	BLACK
	1	WHITE
	3	RED
J3, J4 J5, JP	R	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

ACTUATOR	OPTION CODE	ACTUATOR COLOR	
		TOP	BOTTOM
J2	1	WHITE	RED
	2	WHITE	BLACK
	3	RED	WHITE
	4	BLACK	WHITE
	5	BLACK	RED

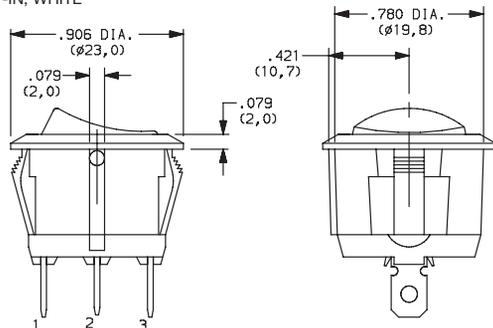


J2 actuator only

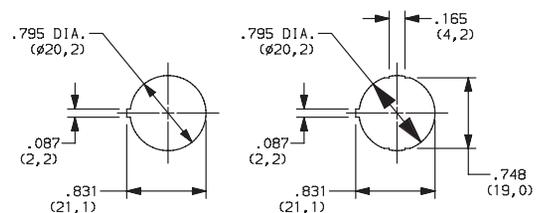
MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE



PANEL MOUNTING



Panel thickness:
2.0 - 3.0 mm

Panel thickness:
0.7 - 3.0 mm



Dimensions are shown: Inches (mm)

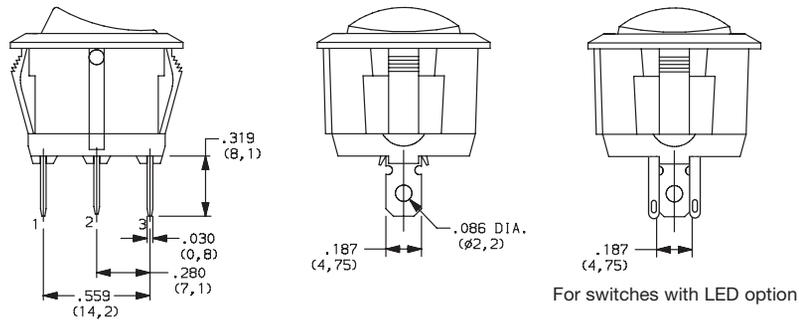
Specifications and dimensions subject to change

C&K

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TERMINATION

15 .187" QUICK CONNECT



CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QF	SILVER	POWER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC 

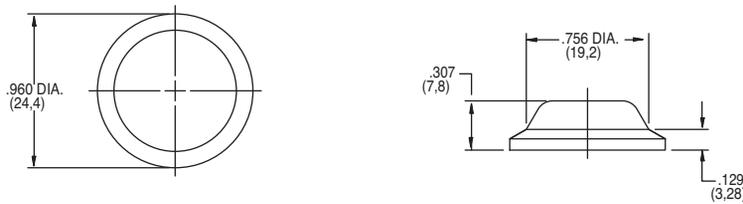
* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

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



Rocker



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[C&K Components:](#)

[CR102J25S215QF](#) [CR102J3RS115QF8](#) [CR102J11S115QF](#)