

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.









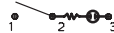


Build-A-Switch

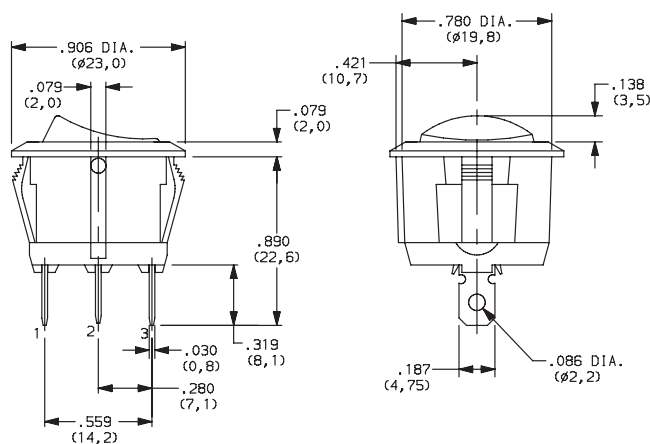
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-78 through G-80. For additional options not shown in catalog, consult Customer Service Center.

<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>
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* Refer to table on page G-79 for actuator options.

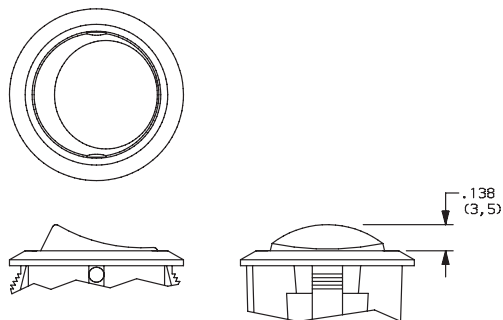
CR Series Round Single Pole Specialty Rocker Switches

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	N/A	2-1	
	CR102	ON	NONE	OFF				  <p>OR</p> <p>For 7 & 8 Illuminated Versions</p>
								 



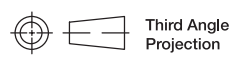
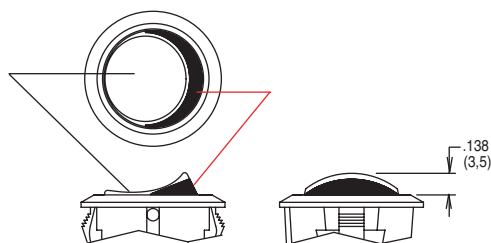
J1 ROCKER

J3 ILLUMINATED ROCKER



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

J2 TWO-TONE ROCKER

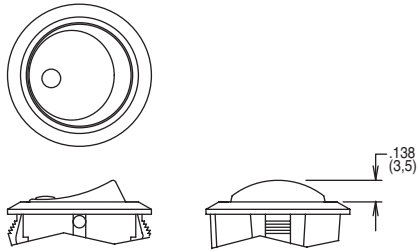


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

CR Series Round Single Pole Specialty Rocker Switches

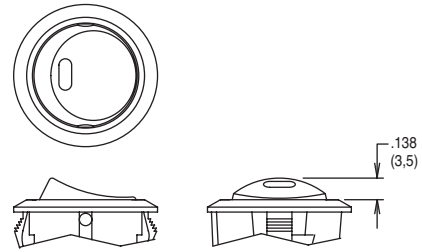
ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER



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

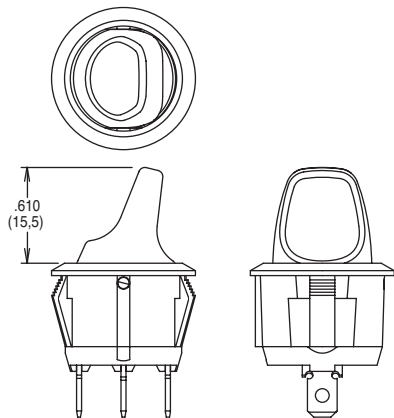
J5 OVAL, ILLUMINATED ROCKER



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

JN PADDLE, ROCKER

JP PADDLE, ILLUMINATED ROCKER



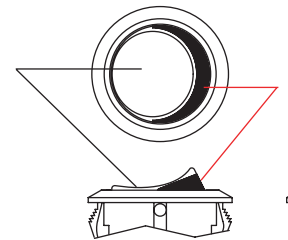
NOTE: JP actuator available with the combination of CR102 switch function and 7 & 8 lamp ratings only.

ACTUATOR COLOR

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

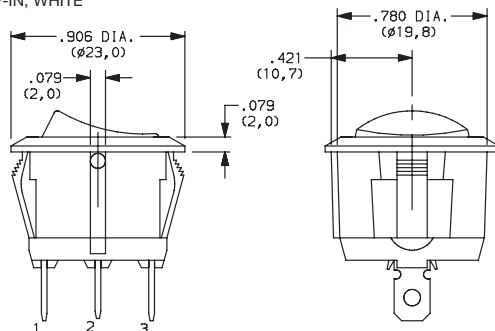
J2 actuator only



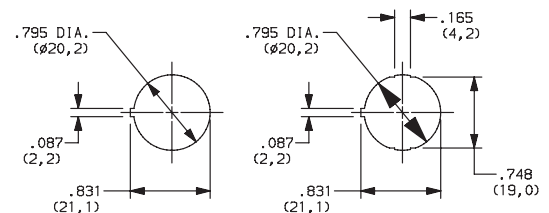
MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE

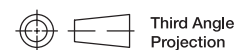


PANEL MOUNTING



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

www.ckswitches.com

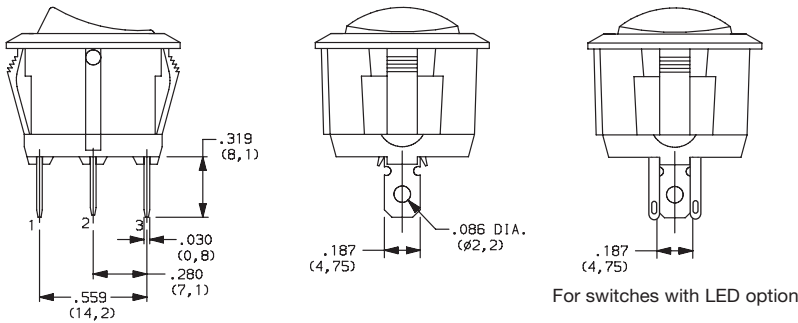


CR Series


Round Single Pole Specialty Rocker Switches

TERMINATION

15 .187" QUICK CONNECT



CONTACT MATERIAL

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

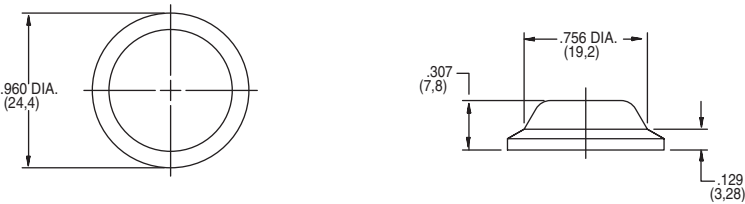
* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

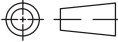
LAMP RATING

- (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



 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 Switches:

[CR101J12S215QF](#) [CR101J11S115QF](#) [CR101J11S215QF](#) [CR102J3GS215QF8](#) [CR102J3RS215QF7](#)
[CR102JPRS215QF7](#) [CR102J3AS215QF8](#) [CR102J11S215QF](#) [CR102J12S215QF](#) [CR102J5RS215QF6](#)
[CR102J4RS215QF7](#) [CR102J3GS215QF7](#) [CR102J3RS215QF8](#) [CR102JPRS215QF8](#) [CR102J23S215QF](#)
[CR102J3AS215QF7](#) [CR102J22S215QF](#) [CR102J5AS215QF6](#) [CR102J5GS215QF6](#) [CR102J25S215QF](#)