

# CG Series

## Single Pole Power Rocker Switches

### Features/Benefits

- Bevelled frame
- Illuminated versions available
- Easy panel mount installation

### Typical Applications

- Computers and peripherals
- Small appliances
- Instrument panels
- Industrial controls
- RoHS compliant



 UL 61058-1

### Specifications

#### CONTACT RATING:

16 AMPS @ 125 VAC, 10 AMPS @ 250 VAC.

10 AMPS @ 250 VAC, 6 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), black, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

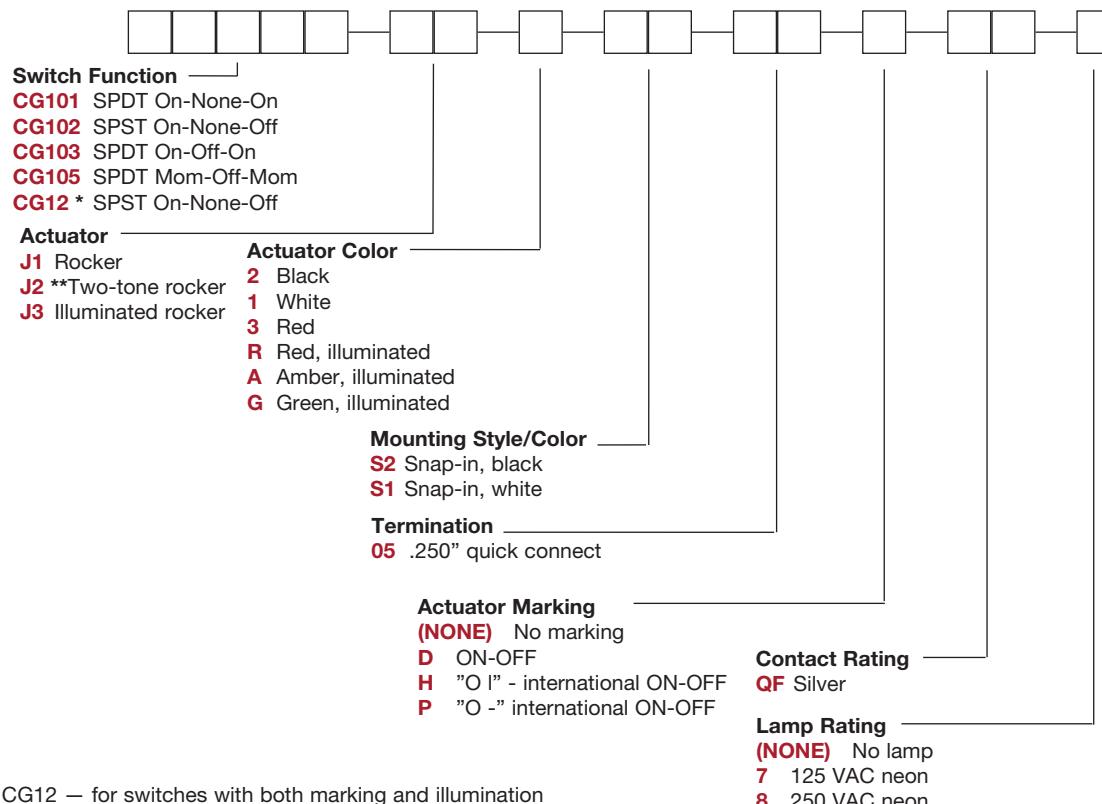
END CONTACTS: Silver plated.

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-87 through G-89. For additional options not shown in catalog, consult Customer Service Center.



\* CG12 — for switches with both marking and illumination

\*\* J2 — refer to table on next page for actuator options

Rocker

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

[www.ckswitches.com](http://www.ckswitches.com)

# CG Series Single Pole Power Rocker Switches

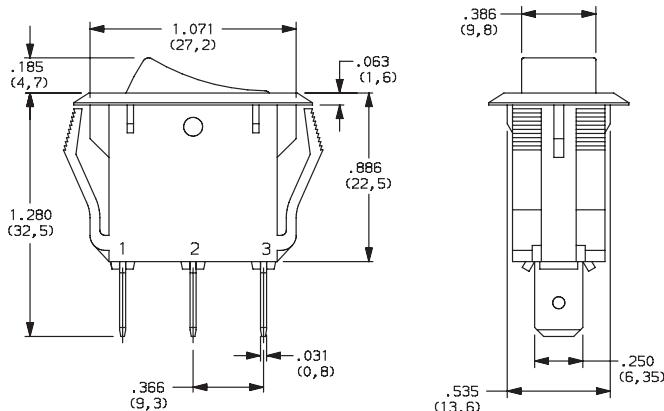
## SWITCH FUNCTION



NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
SP	<b>CG101</b>	ON	NONE	ON	1-2		2-3	
	<b>CG102</b>	ON	NONE	OFF	1-2	N/A	OPEN	 OR For Illuminated Version
	<b>CG103</b>	ON	OFF	ON	1-2	OPEN	2-3	
	<b>CG105</b>	MOM	OFF	MOM	1-2	OPEN	2-3	
	<b>CG12 *</b>	ON	NONE	OFF	1-2	N/A	OPEN	

\* CG12 - for switches with both marking and illumination

Shown in Pos. 1

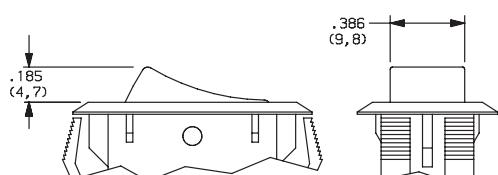


## ACTUATOR



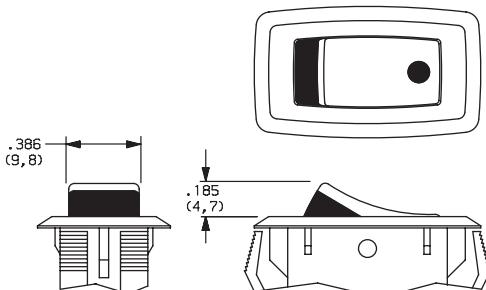
**J1** ROCKER

**J3** ILLUMINATED ROCKER



NOTE: J3 actuator available with CG102 switch function only.

**J2** TWO-TONE ROCKER



NOTE: Available with CG102 switch function only.

Rocker



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# CG Series

## Single Pole Power Rocker Switches

### ACTUATOR COLOR

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

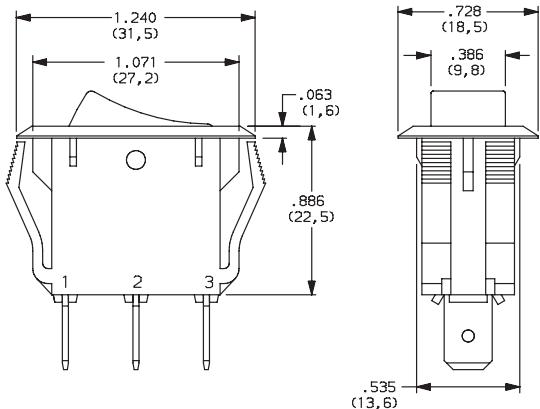
OPTION CODE	ACTUATOR COLOR	
	TOP	BOTTOM
1	WHITE	RED
2	WHITE	BLACK
3	RED	WHITE
4	BLACK	WHITE
5	BLACK	RED

J2 actuator only

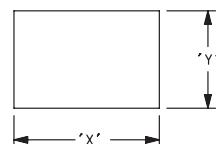
### MOUNTING STYLE/COLOR

**S2** SNAP-IN, BLACK

**S1** SNAP-IN, WHITE



PANEL MOUNTING

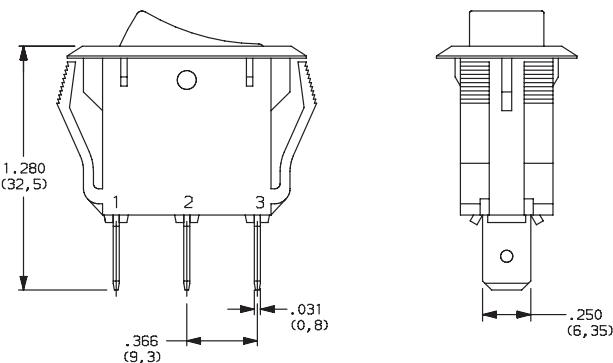


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0.75-1.25)	1.087-.004 (27.6-0,1)	0.543+.004 (13,8+0,1)
0.049-0.079 (1.25-2.0)	1.094-.004 (27.8-0,1)	0.543+.004 (13,8+0,1)
0.079-0.118 (2.0-3.0)	1.102-.004 (28.0-0,1)	0.543+.004 (13,8+0,1)

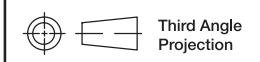
Shown in Pos. 1

### TERMINATION

**05** .250" QUICK CONNECT



Shown in Pos. 1

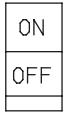


# CG Series Single Pole Power Rocker Switches

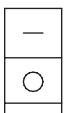
## ACTUATOR MARKING

**NONE** NO MARKING

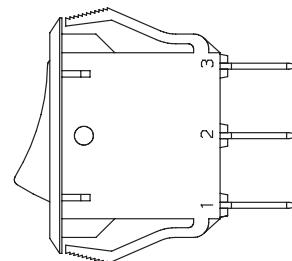
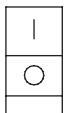
**D** ON-OFF



**H** OI



**P** O -



**NOTE:** Orientation of actuator marking and terminals.

Shown in Pos. 1

## CONTACT MATERIAL

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

**7** 125 VAC 33kΩ NEON

**8** 250 VAC 150kΩ NEON

**NOTE:** Lamp rating for J3 actuator option.

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Authorized Distributor

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[CG102J3RS205QF7](#) [CG102J11S205PQF](#) [CG102J3AS205QF7](#) [CG102J12S205QF](#) [CG102J3GS205QF7](#)  
[CG102J12S205PQF](#) [CG102J12S205HQF](#) [CG102J12S205DQF](#) [CG102J23S205QF](#) [CG102J11S105HQF](#)  
[CG105J12S205QF](#) [CG102J25S205QF](#)