

CM Series

Single Pole Power Rocker Switches

Features/Benefits

- Illuminated versions available
- Easy to install snap-in design
- Multiple actuator and termination styles to choose from

Typical Applications

- Computers and peripherals
- Power supplies
- Industrial equipment
- Small appliances
- RoHS compliant



Specifications

CONTACT RATING:

16 AMPS @ 125 VAC, 1/8 HP;

10 AMPS @ 250 VAC, 1/3 HP.

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 +80°C

Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, gloss or matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, gloss or 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-95 through G-97. For additional options not shown in catalog, consult Customer Service Center.

Switch Function CM101 SPDT On-None-On CM102 SPST On-None-Off CM103 SPDT On-Off-On CM107 SPDT On-Off-Mom. CM12 * SPST On-None-Off

* CM12 - for switches with both marking and illumination

Rocker

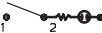
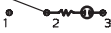


G

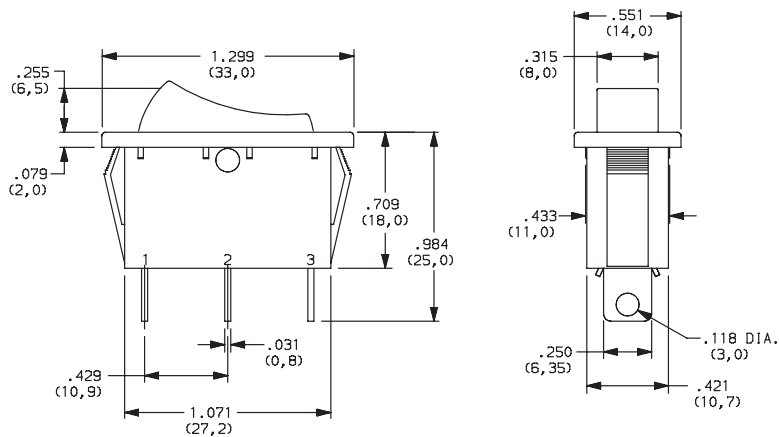
C&K

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

Single Pole Power Rocker Switches

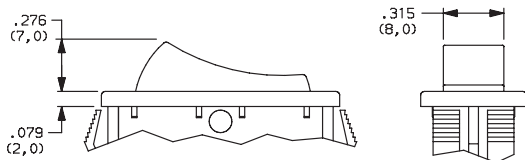
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
								
		C&K marking on opposite side			C&K marking on opposite side			
SP	CM101	ON	NONE	ON	2-1		2-1	
	CM102	ON	NONE	OFF		N/A	OPEN	  OR For Illuminated Version
	CM103	ON	OFF	ON				
	CM107	ON	OFF	MOM.		OPEN	2-3	
	CM12 *	ON	NONE	OFF		N/A	OPEN	

* CM12 - for switches with both marking and illumination



J1 ROCKER

J3 ILLUMINATED ROCKER



NOTE: J3 actuator available with CM102 & CM12 switch function only.



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



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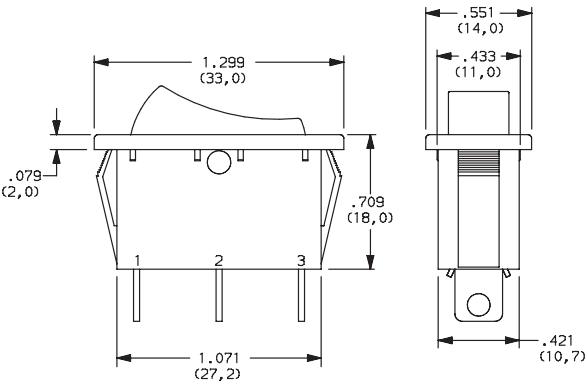
ACTUATOR COLOR

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

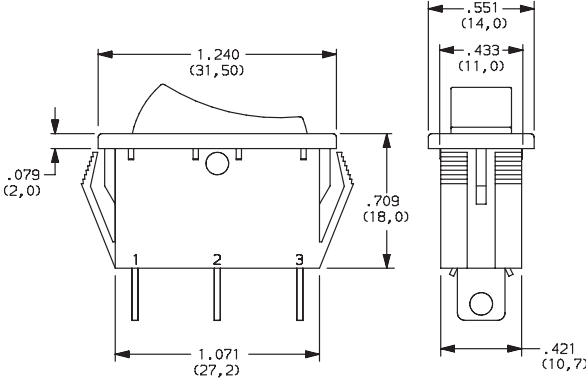
MOUNTING STYLE/COLOR

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

S4 SNAP-IN, BLACK (SHORT FRAME)
S3 SNAP-IN, WHITE

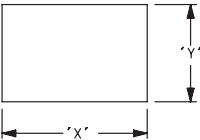


Shown in Pos. 1



Shown in Pos. 1

PANEL MOUNTING

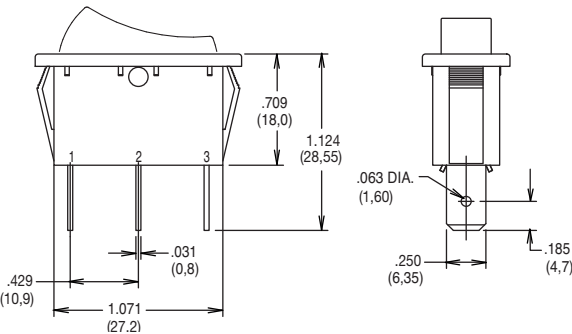


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	1.189-.004 (30,2-0,1)	0.441+.004 (11,2+0,1)
0.049-0.079 (1,25-2,0)	1.197-.004 (30,4-0,1)	0.441+.004 (11,2+0,1)
0.079-0.118 (2,0-3,0)	1.212-.004 (30,8-0,1)	0.441+.004 (11,2+0,1)

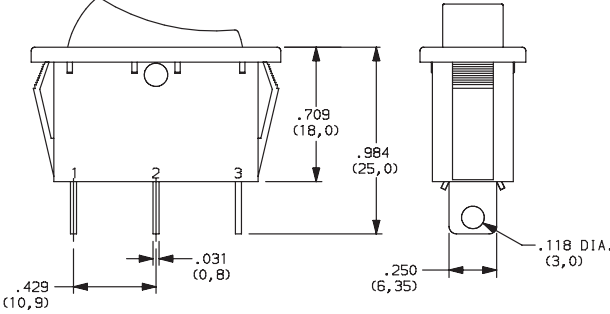
TERMINATION

05 .250 QUICK CONNECT

07 SOLDER LUG



Shown in Pos. 1



NOTE: Available with CM101 & CM102 switch functions only.

Rocker



G

C&K

Third Angle Projection

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ACTUATOR MARKING

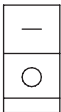
NONE NO MARKING



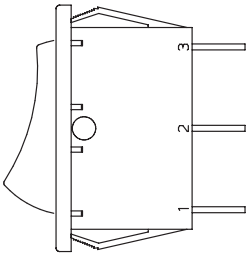
D ON-OFF



H O I



P O -



NOTE: Orientation of actuator marking and terminals.
Shown in Pos. 1

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
		POWER	
QA	SILVER		16 AMPS @ 125 VAC; 1/8 HP
			10 AMPS @ 250 VAC, 1/3 HP

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



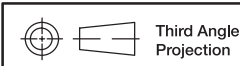
LAMP RATING

(NONE) NO LAMP

7 125 VAC 33kΩ NEON

8 250 VAC 150kΩ NEON

NOTE: Lamp rating for J3 & J8 actuator option.



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www.ck-components.com

