

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.

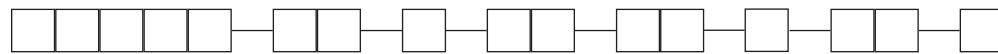
END CONTACTS: Silver plated.

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

Actuator

J1 Rocker

J3 Illuminated rocker

Actuator Color

2 Black

1 White

3 Red

R Red, illuminated

A Amber, illuminated

G Green, illuminated

Mounting Style/Color

S2 Snap-in, black

S4 Snap-in, black

S1 Snap-in, white

S3 Snap-in, white

Termination

05 .250" quick connect

07 Solder lug

Actuator Marking

(NONE) No marking

D ON-OFF

H "O I" - international ON-OFF

P "O -" international ON-OFF

Contact Rating

QA Silver

Lamp Rating

(NONE) No lamp

7 125 VAC neon

8 250 VAC neon

* CM12 - for switches with both marking and illumination

Rocker



G



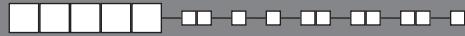
16 May 18

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

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CM Series Single Pole Power Rocker Switches

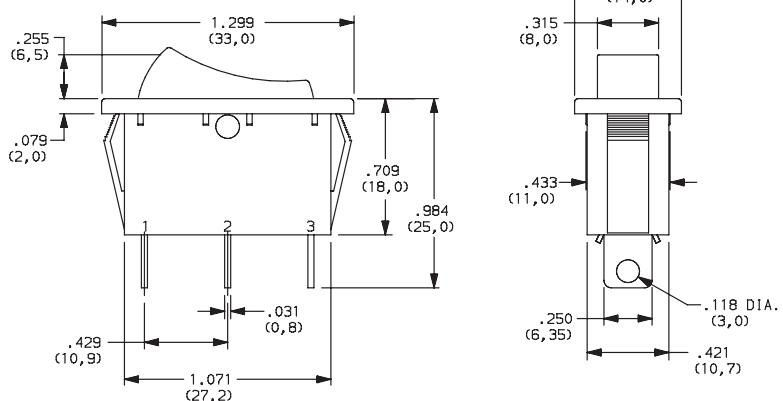
SWITCH FUNCTION



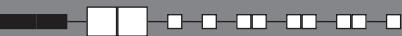
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
SP	CM101	ON	NONE	ON	N/A	OPEN	2-3	
	CM102	ON	NONE	OFF			OPEN	
	CM103	ON	OFF	ON	OPEN	2-3	2-3	
	CM107	ON	OFF	MOM.			OPEN	
	CM12 *	ON	NONE	OFF	N/A	OPEN	2-3	

* CM12 - for switches with both marking and illumination

Shown in Pos. 1

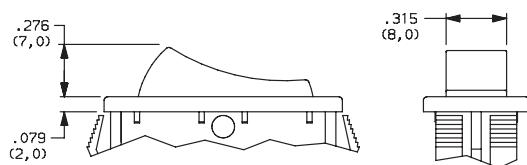


ACTUATOR



J1 ROCKER

J3 ILLUMINATED ROCKER



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



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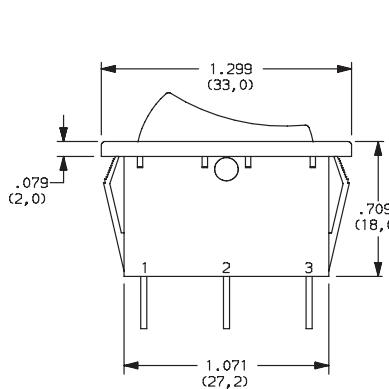
ACTUATOR COLOR

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

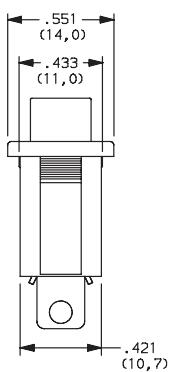
MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE



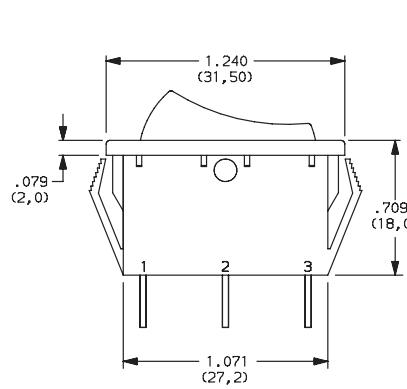
Shown in Pos. 1



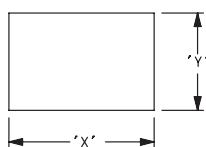
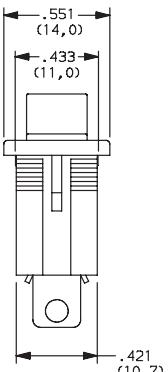
PANEL MOUNTING

S4 SNAP-IN, BLACK (SHORT FRAME)

S3 SNAP-IN, WHITE



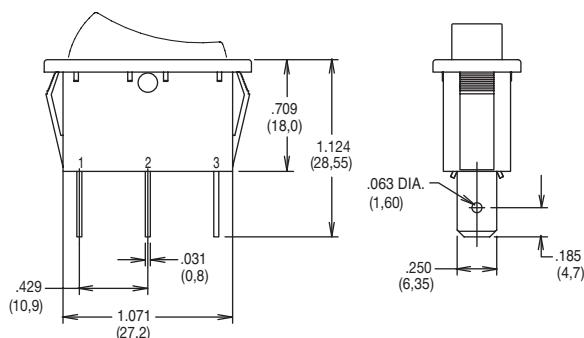
Shown in Pos. 1



PANEL THICKNESS	"X"	"Y"
.030-.049 (0.75-1.25)	1.189-.004 (30.2-0.1)	0.441+.004 (11.2+0.1)
.049-.079 (1.25-2.0)	1.197-.004 (30.4-0.1)	0.441+.004 (11.2+0.1)
.079-.118 (2.0-3.0)	1.212-.004 (30.8-0.1)	0.441+.004 (11.2+0.1)

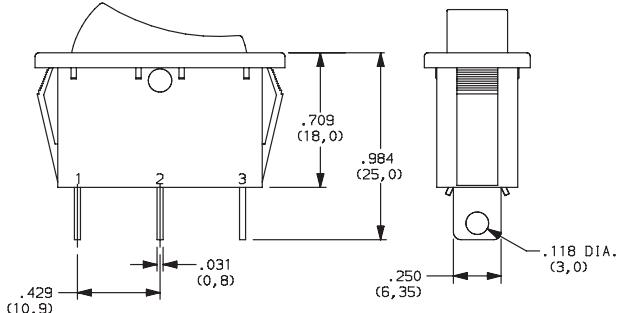
TERMINATION

05 .250 QUICK CONNECT



Shown in Pos. 1

07 SOLDER LUG



NOTE: Available with CM101 & CM102 switch functions only.



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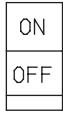
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ACTUATOR MARKING

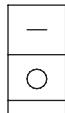
NONE NO MARKING



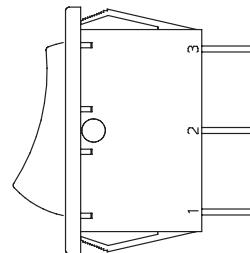
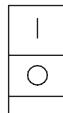
D ON-OFF



H OI



P O -



NOTE: Orientation of actuator marking and terminals.

Shown in Pos. 1

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QA	SILVER	POWER	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.

Rocker



C&K

16 May 18



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Specifications and dimensions subject to change

www.ckswitches.com

Mouser Electronics

Authorized Distributor

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C&K Switches:

[CM102J12S207HQA](#) [CM102J11S305DQA](#)