

# 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:

UL/CSA: 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.

|                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Switch Function</div> <div><div>CM101</div> SPDT On-None-On</div> <div><div>CM102</div> SPST On-None-Off</div> <div><div>CM103</div> SPDT On-Off-On</div> <div><div>CM107</div> SPDT On-Off-Mom.</div> <div><div>CM12</div> * SPST On-None-Off</div> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

\* CM12 - for switches with both marking and illumination

Rocker

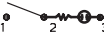
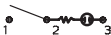


G

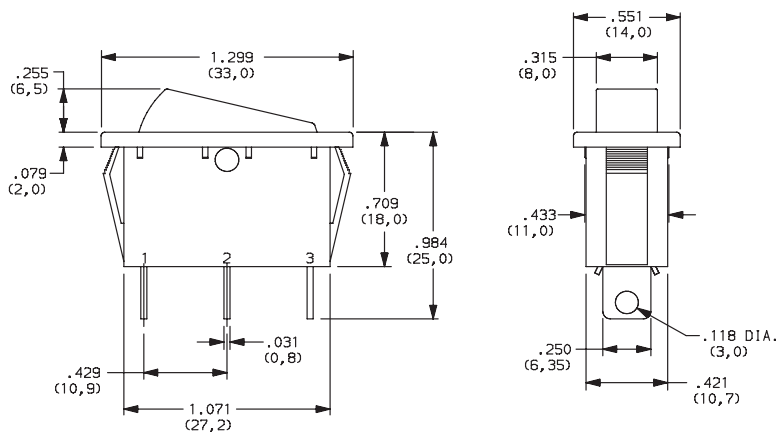
**C&K**

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

# CM Series

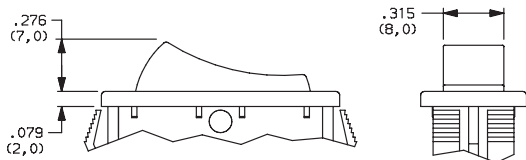
| NO. POLES | MODEL NO. | SWITCH FUNCTION                                                                   |                                                                                   |                                                                                   | CONNECTED TERMINALS                                                               |                                                                                     |                                                                                     | 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                                                                                |  <br>OR<br>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.



### Third Angle Projection

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

# CM Series

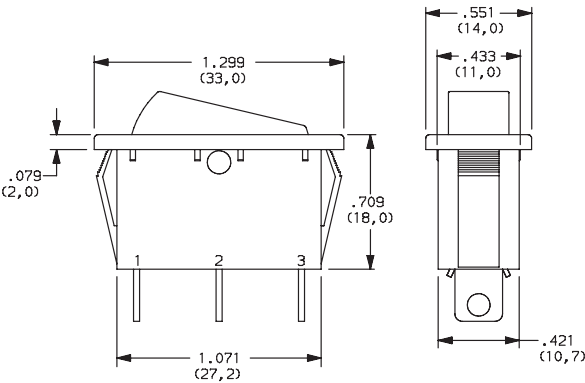
## Single Pole Power Rocker Switches

### ACTUATOR COLOR

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

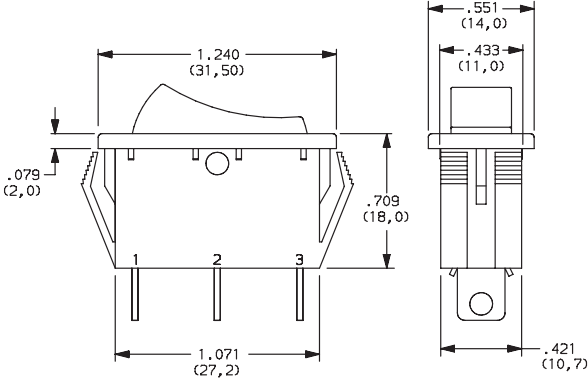
### MOUNTING STYLE/COLOR

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



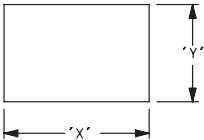
Shown in Pos. 1

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



Shown in Pos. 1

#### PANEL MOUNTING

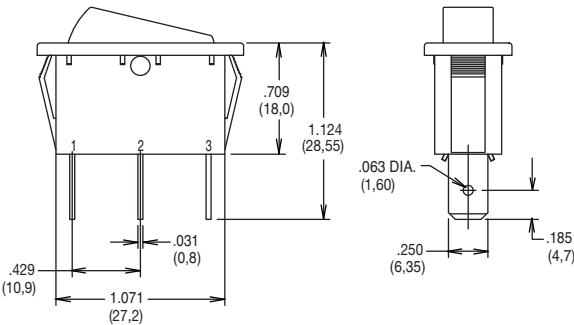


| PANEL THICKNESS         | "X"                   | "Y"                   |
|-------------------------|-----------------------|-----------------------|
| 0.030-0.049 (0,75-1,25) | 1.189-.004 (30,2-0,1) | 0.441+.004 (11,2+0,1) |
| 0.049-0.079 (1,25-2,0)  | 1.197-.004 (30,4-0,1) | 0.441+.004 (11,2+0,1)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

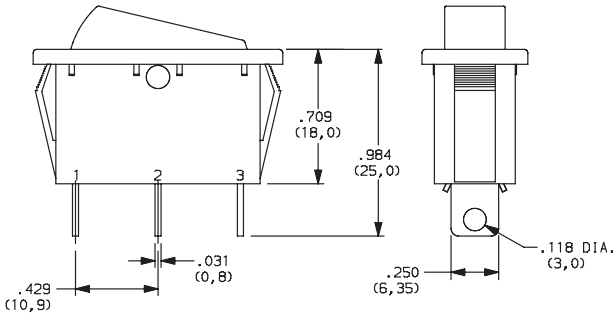
### TERMINATION

05 .250 QUICK CONNECT

07 SOLDER LUG

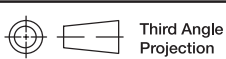


Shown in Pos. 1



NOTE: Available with CM101 & CM102 switch functions only.

Rocker



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

# CM Series Single Pole Power Rocker Switches

## ACTUATOR MARKING

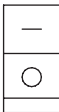
**NONE** NO MARKING



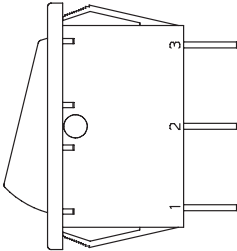
**D** ON-OFF



**H** 0 I



**P** 0 -



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

## CONTACT MATERIAL

| OPTION CODE | CONTACT AND TERMINAL MATERIAL | RATINGS |                                                                  |
|-------------|-------------------------------|---------|------------------------------------------------------------------|
|             |                               | POWER   |                                                                  |
| <b>QA</b>   | SILVER                        |         | 16 AMPS @ 125 VAC; 1/8 HP<br>10 AMPS @ 250 VAC, 1/3 HP (UL/CSA). |

\* 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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Specifications and dimensions subject to change

[www.ck-components.com](http://www.ck-components.com)