

## C&K 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**



## 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:  $10^8 \Omega \text{ min.}$

DIELECTRIC STRENGTH: 1.500 VRMS @ sea level.

## 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

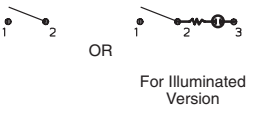
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages 20 thru 22. For additional options not shown in catalog, consult Customer Service Center.

|                             |                              |
|-----------------------------|------------------------------|
| <b>Switch Function</b>      |                              |
| <b>CM101</b>                | SPDT On-None-On              |
| <b>CM102</b>                | SPST On-None-Off             |
| <b>CM103</b>                | SPDT On-Off-On               |
| <b>CM107</b>                | SPDT On-Off-Mom.             |
| <b>CM12 *</b>               | SPST On-None-Off             |
| <b>Actuator</b>             |                              |
| <b>J1</b>                   | Rocker                       |
| <b>J3</b>                   | Illuminated rocker           |
| <b>J6</b>                   | Rocker                       |
| <b>J8</b>                   | Illuminated rocker           |
| <b>Actuator Color</b>       |                              |
| <b>2 (STD).</b>             | Black                        |
| <b>1</b>                    | White                        |
| <b>3</b>                    | Red                          |
| <b>R</b>                    | Red, illuminated             |
| <b>A</b>                    | Amber, illuminated           |
| <b>G</b>                    | Green, illuminated           |
| <b>Mounting Style/Color</b> |                              |
| <b>S2 (STD.)</b>            | Snap-in, black               |
| <b>S4 (STD.)</b>            | Snap-in, black               |
| <b>S1</b>                   | Snap-in, white               |
| <b>S3</b>                   | Snap-in, white               |
| <b>Termination</b>          |                              |
| <b>05 (STD.)</b>            | .250" quick connect          |
| <b>07</b>                   | Solder lug                   |
| <b>Actuator Marking</b>     |                              |
| <b>(NONE) (STD.)</b>        | No marking                   |
| <b>D</b>                    | ON-OFF                       |
| <b>H</b>                    | "O I" - international ON-OFF |
| <b>P</b>                    | "O -" international ON-OFF   |
| <b>Contact Rating</b>       |                              |
| <b>QA (STD.)</b>            | Silver                       |
| <b>Lamp Rating</b>          |                              |
| <b>(NONE) (STD.)</b>        | No lamp                      |
| <b>7</b>                    | 125 VAC neon                 |
| <b>8</b>                    | 250 VAC neon                 |

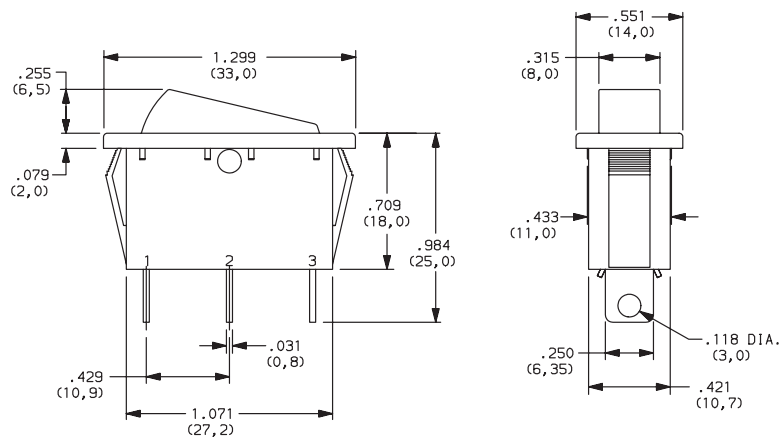
\* CM12 - for switches with both marking and illumination

# C&K CM Series Single Pole Power Rocker Switches

## SWITCH FUNCTION

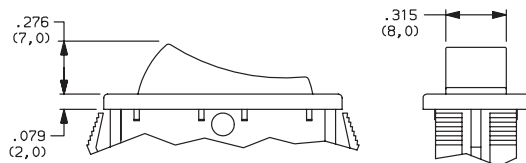
| NO. POLES | MODEL NO. | SWITCH FUNCTION                                                                   |                                                                                   |                                                                                   | CONNECTED TERMINALS   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

\* CM12 - for switches with both marking and illumination



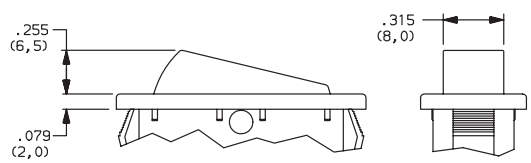
## ACTUATOR

**J1** ROCKER  
**J3** ILLUMINATED ROCKER



NOTE: J3 actuator available with CM102 switch function only.

**J6** ROCKER  
**J8** ILLUMINATED ROCKER



NOTE: J8 actuator available with CM102 switch function only.

# C&K CM Series

## Single Pole Power Rocker Switches

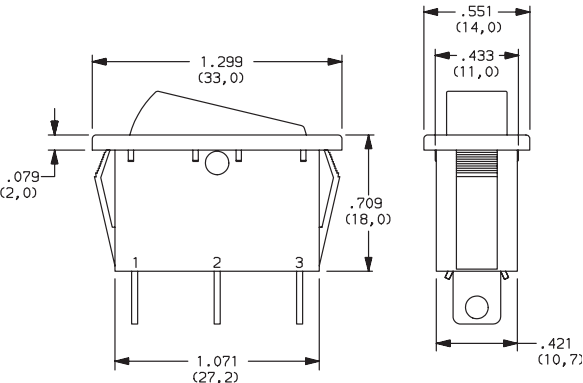
### ACTUATOR COLOR

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

### MOUNTING STYLE/COLOR

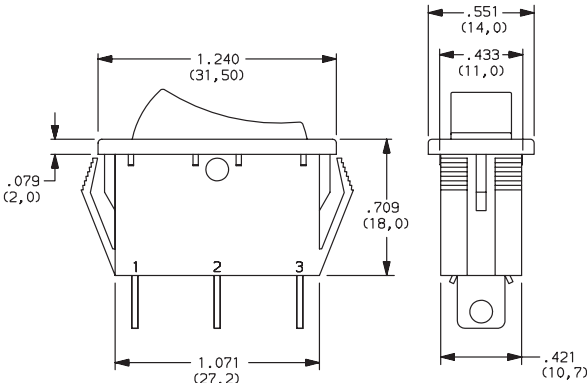
S2 (STD.) SNAP-IN, BLACK

S1 SNAP-IN, WHITE

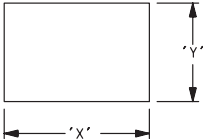


S4 (STD.) SNAP-IN, BLACK (SHORT FRAME)

S3 SNAP-IN, WHITE



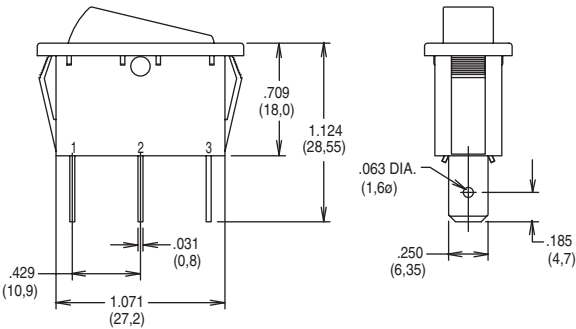
PANEL



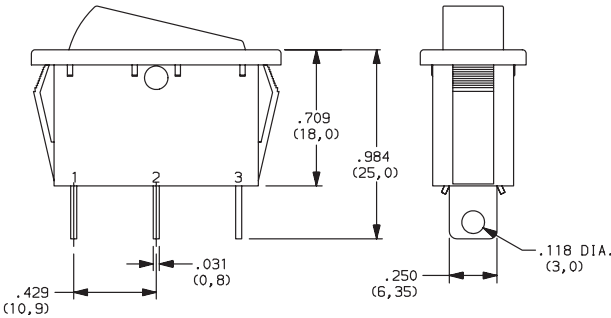
| PANEL THICKNESS         | "X"                   | "Y"                   |
|-------------------------|-----------------------|-----------------------|
| 0.030-0.049 (0,75-1,25) | 1.189-.004 (30,2-0,1) | 0.441+.004 (11,2+0,1) |
| 0.049-0.079 (1,25-2,0)  | 1.197-.004 (30,4-0,1) | 0.441+.004 (11,2+0,1)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

### TERMINATION

05 (STD.) .250" QUICK CONNECT



07 SOLDER LUG



NOTE: Available with CM101 & CM102 switch functions only.

# C&K CM Series

## Single Pole Power Rocker Switches

### ACTUATOR MARKING

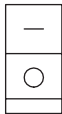
**NONE** (STD.) NO MARKING



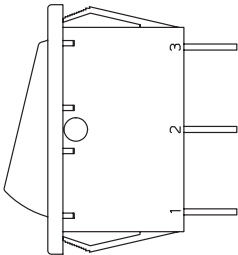
**D** ON-OFF



**H** O I



**P** O -



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

### CONTACT MATERIAL

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

### LAMP RATING

**(NONE)** NO LAMP

**7** 125 VAC 33kΩ NEON

**8** 250 VAC 150kΩ NEON

**NOTE:** Lamp rating for J3 & J8 actuator option.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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