

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.

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
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* CM12 - for switches with both marking and illumination

Rocker



G

C&K

Technical drawing of a mechanical part with dimensions and tolerances:

- Overall width: $.551$ ($14, 0$)
- Top flange width: $.315$ ($8, 0$)
- Central hole diameter: $.433$ ($11, 0$)
- Bottom flange width: $.250$ ($6, 35$)
- Bottom flange hole diameter: $.118$ DIA. ($3, 0$)
- Bottom flange hole offset: $.421$ ($10, 7$)

G

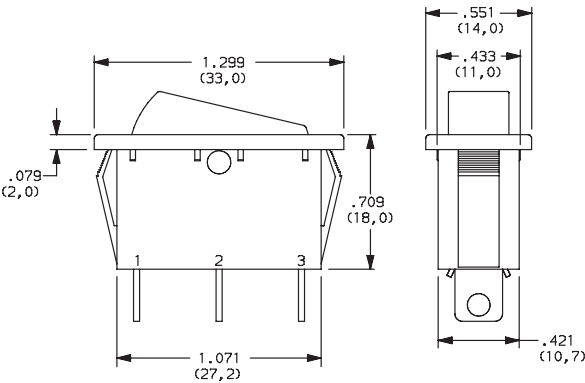
CM Series Single Pole Power Rocker Switches

ACTUATOR COLOR

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

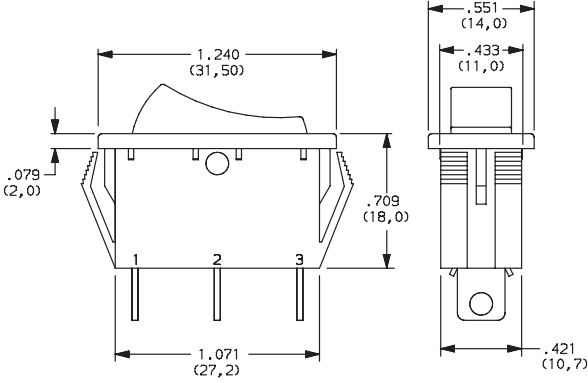
MOUNTING STYLE/COLOR

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



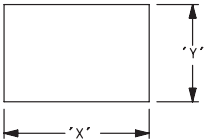
Shown in Pos. 1

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



Shown in Pos. 1

PANEL MOUNTING

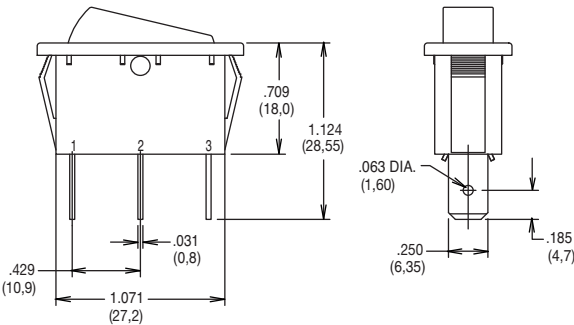


PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	1.189-.004 (30,2-0,1)	0.441+.004 (11,2+0,1)
0.049-0.079 (1,25-2,0)	1.197-.004 (30,4-0,1)	0.441+.004 (11,2+0,1)
0.079-0.118 (2,0-3,0)	1.212-.004 (30,8-0,1)	0.441+.004 (11,2+0,1)

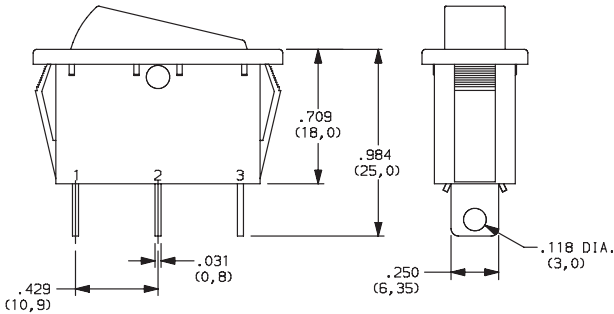
TERMINATION

05 .250 QUICK CONNECT

07 SOLDER LUG



Shown in Pos. 1



NOTE: Available with CM101 & CM102 switch functions only.

Rocker

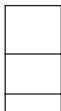


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

Single Pole Power Rocker Switches

ACTUATOR MARKING

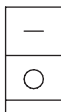
NONE NO MARKING



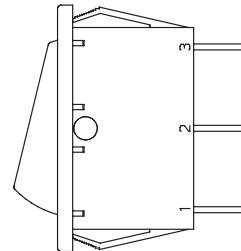
ON-OFF



Hoi



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 (UL/CSA).

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

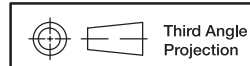
LAMP RATING

(NONE) NO LAMP

7 125 VAC 33kΩ NEON

8 250 VAC 150k Ω NEON

NOTE: Lamp rating for J3 & J8 actuator option.



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



Mouser Electronics

Authorized Distributor

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