

CN Series Double Pole Power Rocker Switches

Features/Benefits

- ***Illuminated versions available***
- ***Multiple actuator and termination styles***
- ***Robust design***
- ***Custom version upon request***
- ***RoHS compliant***



Typical Applications

- ***Appliances***
- ***Office equipment***
- ***Computers and peripherals***
- ***Off-road vehicles***
- ***Industrial machines***
- ***HVAC units***
- ***Transportation***



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

DIELECTRIC STRENGTH: 1.500 VRMS @ sea level.

OPERATING TEMPERATURE: -20°C to +85°C

Materials

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

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

END CONTACTS: Silver plated AgSuO₂InO₃.

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-99 through G-101. For additional options not shown in catalog, consult Customer Service Center.

The diagram shows a 16-pin connector with the following labels and descriptions:

- Switch Function**
 - CN201** DPDT On-None-On
 - CN202** DPST On-None-Off
 - CN22 *** DPST On-None-Off
- Actuator**
 - J1** Rocker
 - J3** Illuminated rocker
 - J6** Rocker
 - J8** 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**
 - 15** .187" quick connect
 - 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**
 - Q** Silver
 - QA** Silver (with HP rating)
- Lamp Rating**
 - (NONE)** No lamp
 - 7** 125 VAC neon
 - 8** 250 VAC neon

* CN22 - for switches with both marking and illumination

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Rocker



G



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

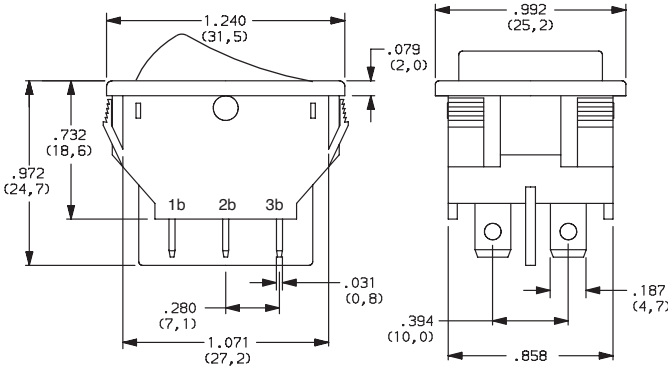
CN Series

Double 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	
		C&K marking on opposite side			C&K marking on opposite side			
DP	CN201	ON	NONE	ON	2-1 4-5	N/A	2-3 6-5	
	CN202	ON	NONE	OFF			OPEN	
	CN22 *	ON	NONE	OFF				 For Illuminated Version

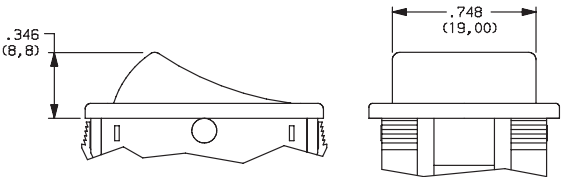
* CN22 - for switches with both marking and illumination



Shown in Pos. 1

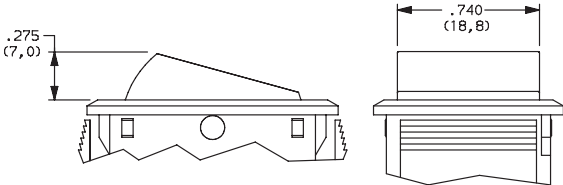
ACTUATOR

- J1 ROCKER
- J3 ILLUMINATED ROCKER



NOTE: J1 & J3 actuators available with Q contact rating only.
J3 actuator available with CN202 & CN22 switch function only.

- J6 ROCKER
- J8 ILLUMINATED ROCKER



NOTE: J6 & J8 actuators available with QA contact rating only.
J6 actuator available with CN201 & CN202 switch functions,
J8 actuator available with CN202 & CN22 switch function only.



Third Angle Projection

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

CN Series

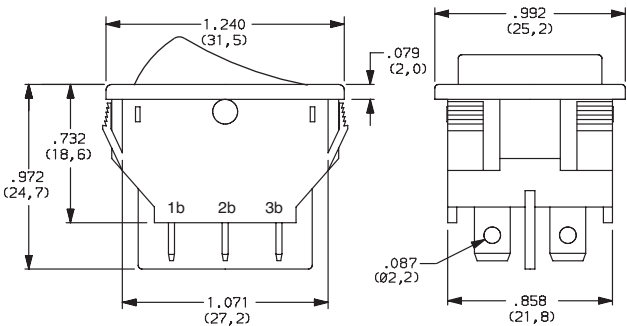
Double Pole Power Rocker Switches

ACTUATOR COLOR

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

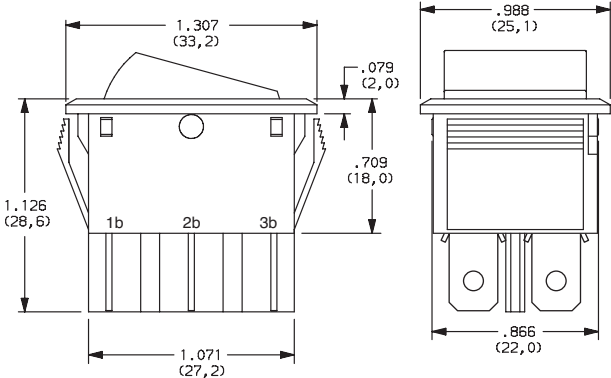
MOUNTING STYLE/COLOR

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



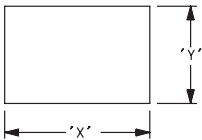
NOTE: Available with 15 termination and Q contact rating only.
Shown in Pos. 1

S4 SNAP-IN, BLACK
S3 SNAP-IN, WHITE



NOTE: Available with 05 termination and QA contact rating only.
Shown in Pos. 1

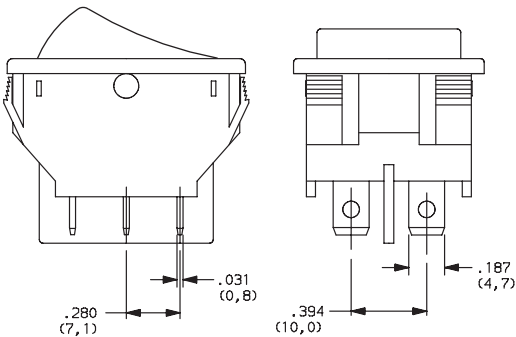
PANEL MOUNTING



PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	1.190-.004 (30,2-0,1)	0.874+.004 (22,2+0,1)
0.049-0.079 (1,25-2,0)	1.197-.004 (30,4-0,1)	0.874+.004 (22,2+0,1)
0.079-0.118 (2,0-3,0)	1.213-.004 (30,8-0,1)	0.874+.004 (22,2+0,1)

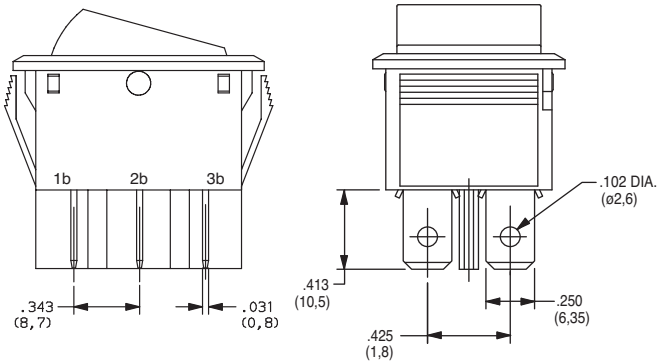
TERMINATION

15 .187" QUICK CONNECT



NOTE: Available with S1 & S2 mounting style and Q contact rating only.
Shown in Pos. 1

05 .250" QUICK CONNECT



NOTE: Available with S3 & S4 mounting styles and QA contact rating, CN201 & CN202 switch functions only.
Shown in Pos. 1



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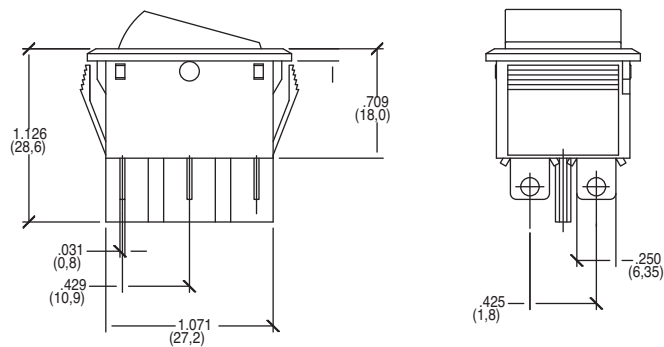


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TERMINATION

07 SOLDER LUG



Shown in Pos. 1

ACTUATOR MARKING

NONE NO MARKING



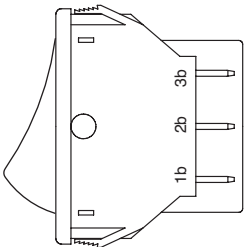
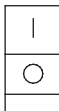
D ON-OFF



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	
Q	SILVER	POWER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC
QA			16 AMPS @ 125 VAC, 1/8 HP @ 125 VAC; 10 AMPS @ 250 VAC, 1/3 HP @ 250 VAC

* 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 options.



Third Angle Projection

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www.ck-components.com

