

C&K CN Series Double Pole Power Rocker Switches

Features/Benefits

- ***Illuminated versions available***
- ***Multiple actuator and termination styles***

Typical Applications

- ***Appliances***
- ***Office equipment***
- ***Computers and peripherals***



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, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

END CONTACTS: Silver plated $\text{AgSuO}_2\text{InO}_3$.

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 24 thru 26. For additional options not shown in catalog, consult Customer Service Center.

The diagram shows a 16-pin connector with pins numbered 1 through 16. Lines connect specific pins to their corresponding specifications in the table below:

- Pins 1, 2, and 3 are linked to the **Switch Function** section.
- Pins 4, 5, and 6 are linked to the **Actuator** section.
- Pins 7, 8, and 9 are linked to the **Actuator Color** section.
- Pins 10, 11, and 12 are linked to the **Mounting Style/Color** section.
- Pins 13, 14, and 15 are linked to the **Termination** section.
- Pins 16 and 17 are linked to the **Actuator Marking** section.
- Pins 18, 19, and 20 are linked to the **Contact Rating** section.
- Pins 21, 22, and 23 are linked to the **Lamp Rating** section.

Pin	Specification
1	Switch Function
2	Switch Function
3	Switch Function
4	Actuator
5	Actuator
6	Actuator
7	Actuator Color
8	Actuator Color
9	Actuator Color
10	Mounting Style/Color
11	Mounting Style/Color
12	Mounting Style/Color
13	Termination
14	Termination
15	Termination
16	Actuator Marking
17	Actuator Marking
18	Contact Rating
19	Contact Rating
20	Contact Rating
21	Lamp Rating
22	Lamp Rating
23	Lamp Rating

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 (STD.) Black**
- 1** White
- 3** Red
- R** Red, illuminated
- A** Amber, illuminated
- G** Green, illuminated

Mounting Style/Color

- S2 (STD.) Snap-in, black**
- S4 (STD.) Snap-in, black**
- S1** Snap-in, white
- S3** Snap-in, white

Termination

- 15 (STD.) .187" quick connect**
- 05** .250" quick connect
- 07** Solder lug

Actuator Marking

- (NONE) (STD.) No marking**
- D** ON-OFF
- H** "O I" - international ON-OFF
- P** "O -" international ON-OFF

Contact Rating

- Q (STD.) Silver (UL/CSA)**
- QA** Silver (UL/CSA with HP rating)

Lamp Rating

- (NONE) (STD.) No lamp**
- 7** 125 VAC neon
- 8** 250 VAC neon

* CN22 - for switches with both marking and illumination



Cannon

Dimensions are shown: Inch (mm)
Dimensions subject to change

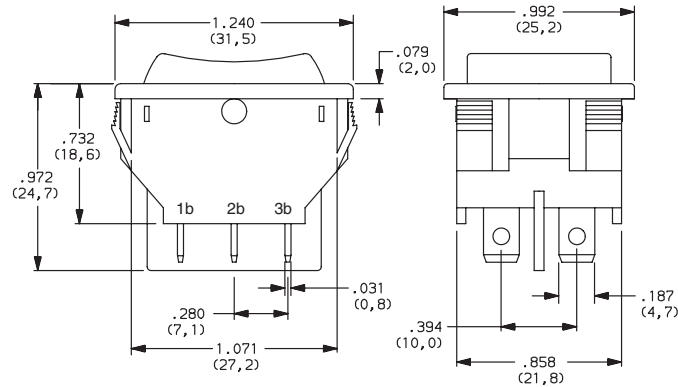
www.ittcannon.com

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SWITCH FUNCTION

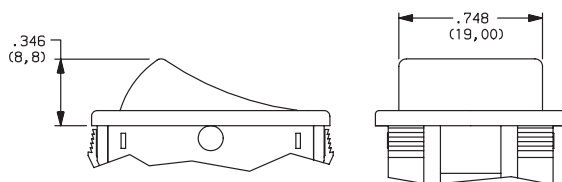
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
DP	CN201	ON	NONE	ON	2-3	N/A	2-1	
	CN202	ON	NONE	OFF				
	CN22 *	ON	NONE	OFF				 For Illuminated Version

* CN22 - for switches with both marking and illumination



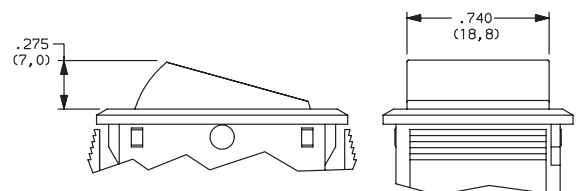
ACTUATOR

J1 ROCKER
J3 ILLUMINATED ROCKER



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

C&K CN Series

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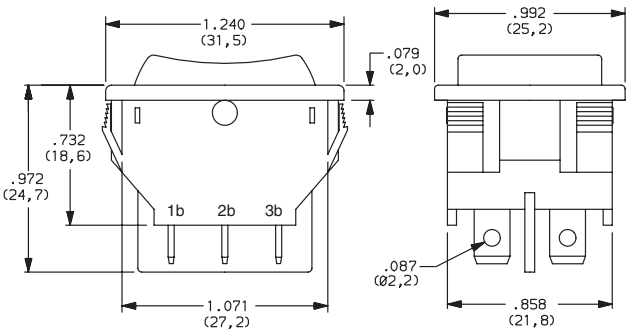
ACTUATOR COLOR

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

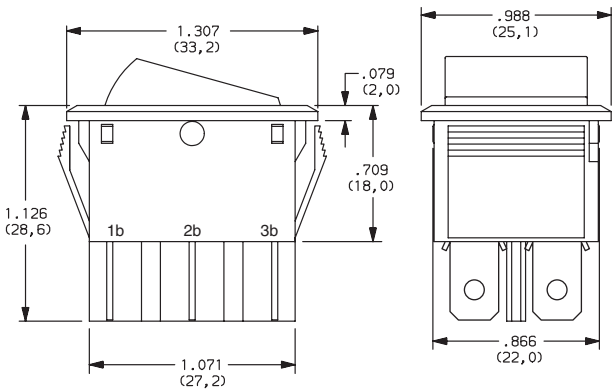
S1 SNAP-IN, WHITE



NOTE: Available with 15 termination and Q contact rating only.

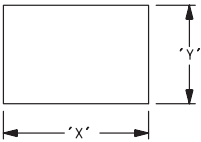
S4 (STD.) SNAP-IN, BLACK

S3 SNAP-IN, WHITE



NOTE: Available with 05 termination and QA contact rating only.

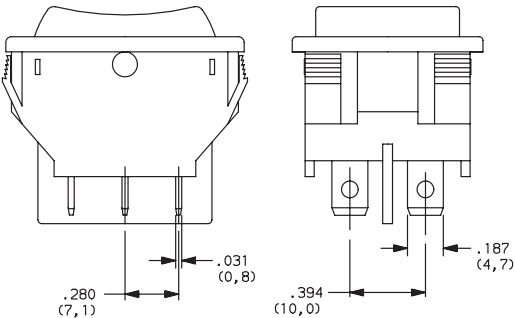
PANEL MOUNTING



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)

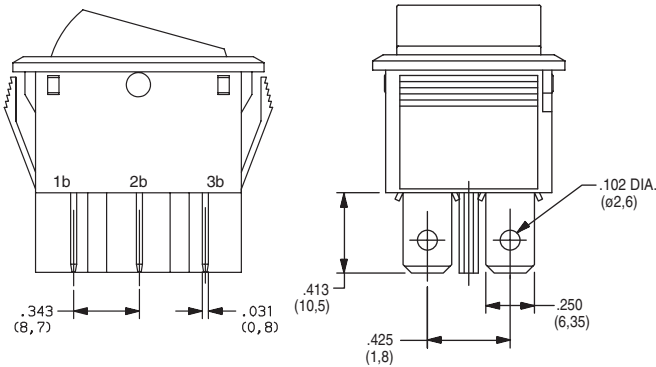
TERMINATION

15 (STD.) .187" QUICK CONNECT



NOTE: Available with S1 & S1 mounting style and Q contact rating only.

05 .250" QUICK CONNECT

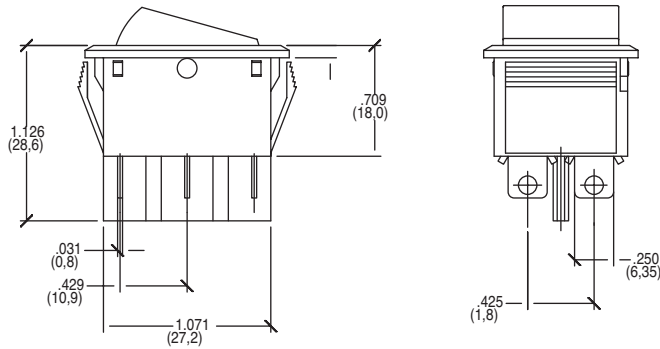


NOTE: Available with S3 & S4 mounting styles and QA contact rating, CN201 & CN202 switch functions only.

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TERMINATION

07 SOLDER LUG



ACTUATOR MARKING

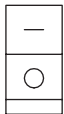
NONE (STD.) NO MARKING



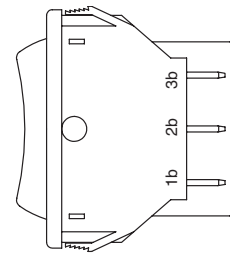
D ON-OFF



H O I



P O -



NOTE: Orientation of actuator marking and terminals.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS
Q (STD.)	SILVER	16 AMPS @ 125 VAC; 10 AMPS @ 250 VAC (UL/CSA)
QA *		16 AMPS @ 125 VAC, 1/8 HP @ 125 VAC; 10 AMPS @ 250 VAC, 1/3 HP @ 250 VAC (UL/CSA)

* Not available with CN203, CN205 & CN207 switch functions.

LAMP RATING

(NONE) NO LAMP

7 125 VAC 33kΩ NEON

8 250 VAC 150kΩ NEON

NOTE: Lamp rating for J3 & J8 actuator options.