

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:

See table for Q and QA ratings on the last page of this series.

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 +85°C

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 Ag₂SnO₃.

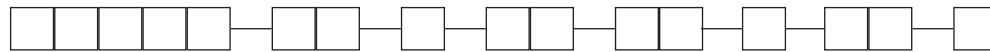
ALL TERMINALS: Silver plated, copper alloy.

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Materials

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.



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

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

Rocker



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

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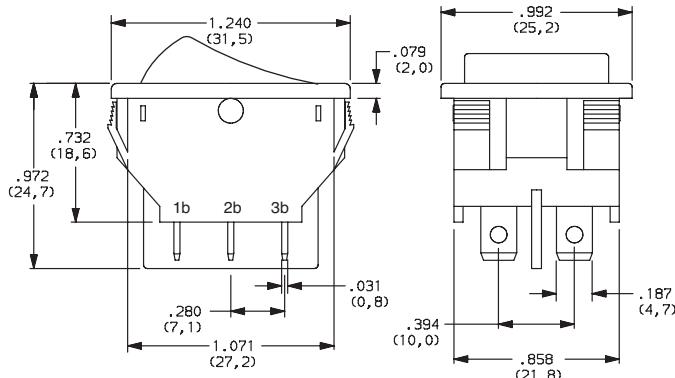
CN Series Double Pole Power Rocker Switches

SWITCH FUNCTION



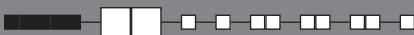
NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		Pos. 1	Pos. 2	Pos. 3	Pos. 1	Pos. 2	Pos. 3	
DP	CN201	ON	NONE	ON	2-1 4-5	N/A	2-3 6-5	 For Illuminated Version
	CN202	ON	NONE	OFF			OPEN	
	CN22 *	ON	NONE	OFF				

* CN22 - for switches with both marking and illumination



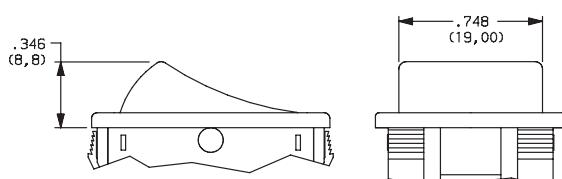
Shown in Pos. 1

ACTUATOR



J1 ROCKER

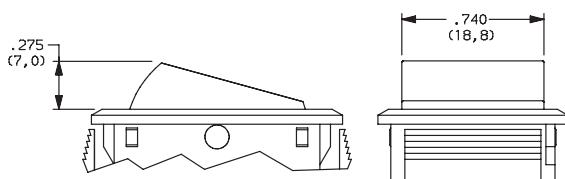
J3 ILLUMINATED ROCKER



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

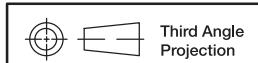
J6 ROCKER

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.

Rocker



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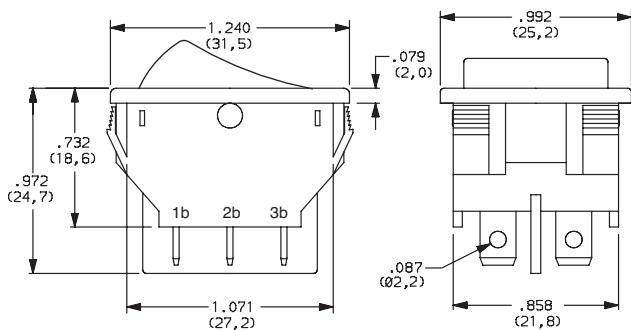
ACTUATOR COLOR

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

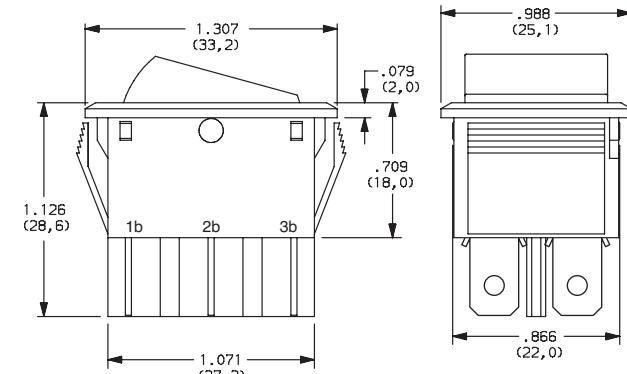


NOTE: Available with 15 termination and Q contact rating only.

Shown in Pos. 1

S4 SNAP-IN, BLACK

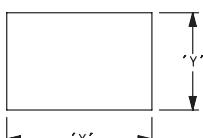
S3 SNAP-IN, WHITE



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

Shown in Pos. 1

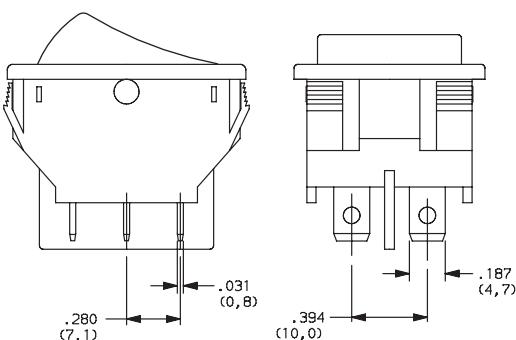
PANEL MOUNTING



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

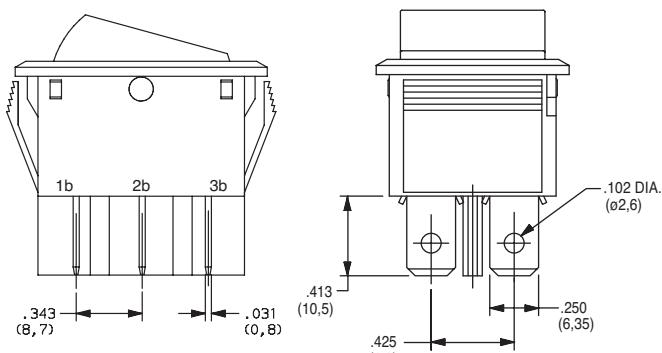
15 .187" QUICK CONNECT



NOTE: Available with S1 & S2 mounting style and Q contact rating only.

Shown in Pos. 1

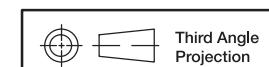
05 .250" QUICK CONNECT



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

Shown in Pos. 1

Rocker



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

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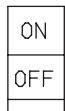
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ACTUATOR MARKING

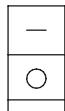
NONE NO MARKING



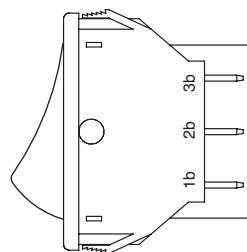
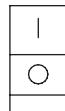
D ON-OFF



H OI



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	16A @ 125C 1/3 HP @ 125 V AC 10A @ 250 V AC 1/2HP @ 250 V AC
QA			16A @ 125 VAC, 1/8 HP @ 125 V AC; 10 A @ 250 VAC, 1/3 HP @ 250 V AC

* 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.

Rocker



G

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

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Mouser Electronics

Authorized Distributor

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C&K Switches:

[CN201J12S215Q](#) [CN201J11S215Q](#) [CN201J11S115Q](#) [CN202J3GS215Q8](#) [CN202J12S215HQ](#) [CN202J3AS215Q8](#)
[CN202J12S215Q](#) [CN202J11S215Q](#) [CN202J12S215PQ](#) [CN202J3AS215Q7](#) [CN202J3RS215Q7](#) [CN202J12S215DQ](#)
[CN202J3RS215Q8](#) [CN202J11S215PQ](#) [CN202J3GS215Q7](#) [CN202J62S405QA](#) [CN22J8GS405PQA7](#)
[CN22J8RS405PQA7](#) [CN201J62S405QA](#) [CN202J11S115PQ](#) [CN202J61S305PQA](#) [CN22J3RS215HQ8](#)
[CN22J3RS215PQ8](#) [CN22J8AS405HQA8](#) [CN22J8GS305HQA7](#) [CN22J8GS305HQA8](#) [CN22J8GS405HQA8](#)
[CN22J8GS405PQA8](#) [CN202J62S405PQA](#) [CN22J8GS405HQA7](#) [CN22J3AS215PQ8](#) [CN22J3GS215PQ8](#)
[CN22J3RS215PQ7](#)