

# 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:  $10^8 \Omega$  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  $\text{AgSuO}_2\text{InO}_3$ .  
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 G-99 through G-101. For additional options not shown in catalog, consult Customer Service Center.

|                                                                                                                                                                |  |                                                                                                                                                                         |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div>Switch Function</div> <div><div>CN201</div>DPDT On-None-On</div> <div><div>CN202</div>DPST On-None-Off</div> <div><div>CN22</div>* DPST On-None-Off</div> |  | <div>Actuator</div> <div><div>J1</div>Rocker</div> <div><div>J3</div>Illuminated rocker</div> <div><div>J6</div>Rocker</div> <div><div>J8</div>Illuminated rocker</div> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

\* CN22 - for switches with both marking and illumination

Rocker



G

C&K

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

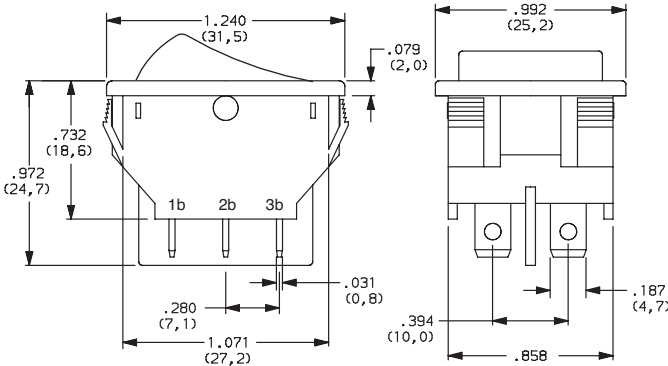
# CN Series

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### 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<br>4-5                   | N/A    | 2-3<br>6-5 |           |
|           | CN202     | ON                           | NONE   | OFF    |                              |        | OPEN       |           |
|           | CN22 *    | ON                           | NONE   | OFF    |                              |        |            |           |

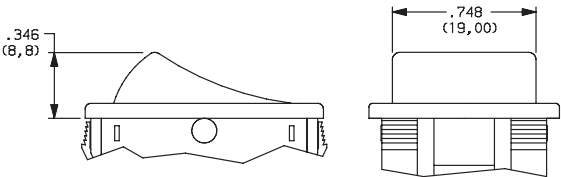
\* CN22 - for switches with both marking and illumination



Shown in Pos. 1

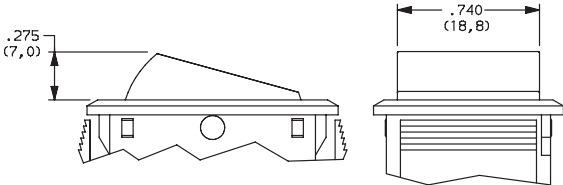
### ACTUATOR

- J1 ROCKER
- J3 ILLUMINATED ROCKER

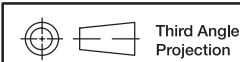


**NOTE:** J1 & J3 actuators available with Q contact rating only.  
J3 actuator available with CN202 & CN22 switch function only.

- 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.



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



# CN Series

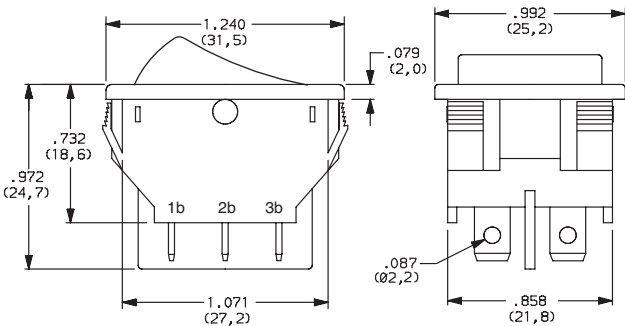
## Double Pole Power Rocker Switches

### ACTUATOR COLOR

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

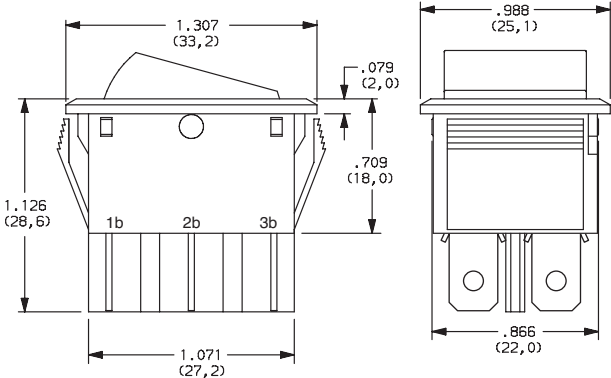
### MOUNTING STYLE/COLOR

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



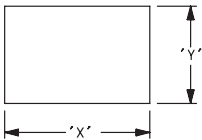
NOTE: Available with 15 termination and Q contact rating only.  
Shown in Pos. 1

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



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

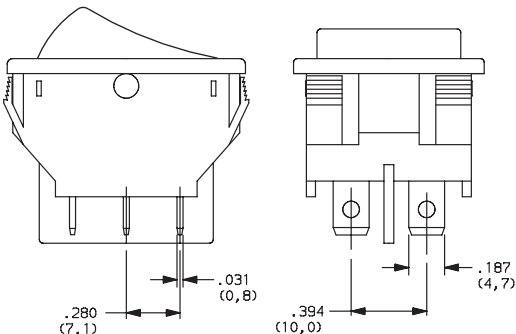
#### PANEL MOUNTING



| 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) |

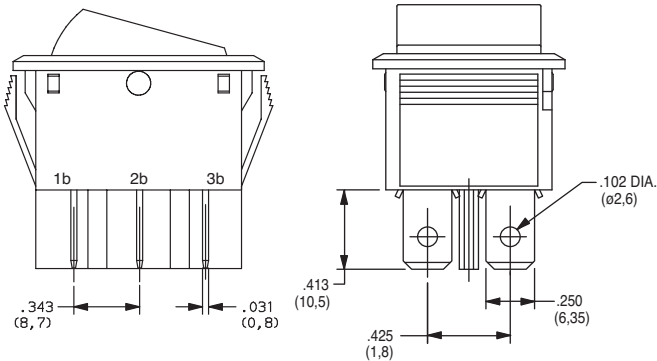
### TERMINATION

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



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

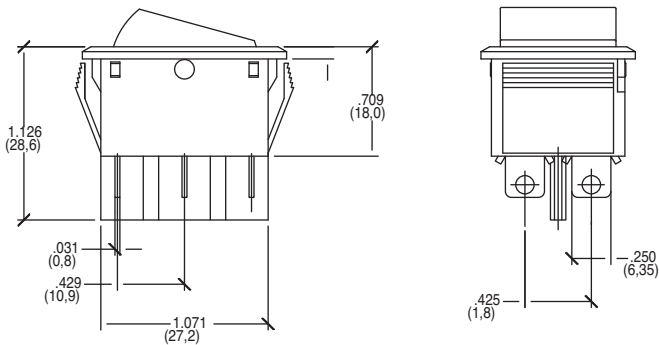
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### TERMINATION

07 SOLDER LUG



Shown in Pos. 1

### ACTUATOR MARKING

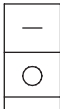
NONE NO MARKING



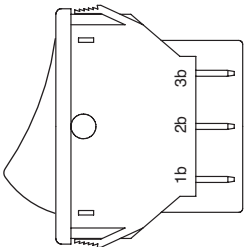
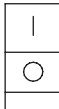
D ON-OFF



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.



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

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