

## D Series Miniature Snap-in Power Rocker Switches

## Features/Benefits

- ***Momentary and maintained models***
- ***PC and quick connect terminals***
- ***Recessed bracket available — prevents accidental actuation***
- ***RoHS compliant***



### Models Available

## Typical Applications

- **Small appliances**
- **Computers and peripherals**
- **Medical instrumentation**



## Specifications

**CONTACT RATING: D10X and D20X Models: 4 AMPS @ 125 V AC;  
2 AMPS @ 250 V AC. D50X and D60X Models: 10 AMPS @  
125 V AC; 5 AMPS @ 250 V AC.**

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

INSULATION RESISTANCE:  $10^9 \Omega \text{ min.}$

DIELECTRIC STRENGTH: 1.000 Vrms min. @ sea level.

## Materials

ACTUATOR & HOUSING: 6/6 nylon (UL 94V-2), color black, finish: matte.

MOVABLE CONTACTS: D10X and D20X Models: Copper, silver plated.  
D50X and D60X Models: Coin silver, silver plated.

STATIONARY CONTACTS AND TERMINALS: Copper or brass, silver plated.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -30°C to +65°C

## 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 H-62 through H-65. For additional options not shown in catalog, consult Customer Service Center.

**Switch Function**

- D101** SPDT, On-None-On
- D102** SPST, On-None-Off
- D103** SPDT, On-Off-On
- D105** SPDT, Mom.-Off-Mom.
- D108** SPDT, Mom.-None-On
- D201** DPDT, On-None-On
- D202** DPST, On-None-Off
- D203** DPDT, On-Off-On
- D501** SPDT, On-None-On
- D502** SPST, On-None-Off
- D503** SPDT, On-Off-On
- D508** SPDT, Mom.-None-On
- D601** DPDT, On-None-On
- D602** DPST, On-None-Off
- D608** DPDT, Mom.-None-On

**Actuator**

- J1** Rocker
- J5** Lever

**Actuator Color**

- 2** Black
- 1** White
- 3** Red

**Mounting Style/Color**

- S2** Snap-in, black
- B2** Recessed snap-in actuator guard, black
- G2** Actuator guard, black
- S1** Snap-in, white

**Terminations**

- 15** Quick connect
- A** Right angle, PC thru-hole
- 02** PC Thru-hole
- 05** Twisted quick connect
- 06** Extended PC thru-hole
- 17** Wirable quick connect

**Actuator Markings**

- NONE** No marking
- D** ON-OFF
- H** 0 I
- N** Large dot
- P** 0 –
- R** Red rectangle on end
- U** Large dot on end

**Contact Material**

- QA** Silver (UL/CSA)
- QF** Silver (UL/CSA/VDE)











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

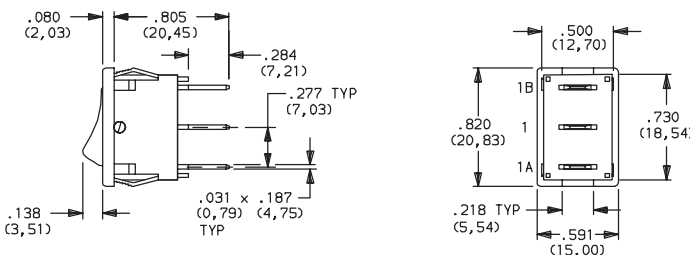


D Series  
Miniature Snap-in Power Rocker Switches

SWITCH FUNCTION 

| NO. POLES | MODEL NO.    | AMP RATING* | SWITCH FUNCTION   |   |   | CONNECTED TERMINALS   |  |   | SCHEMATIC   |
|-----------|--------------|-------------|---|---|---|---|--|---|---|
|           |              |             | POS. 1  | POS. 2  | POS. 3  | POS. 1  | POS. 2   | POS. 3  |   |
|           |              |             |  |  |  |  |  |  |   |
| SP        | D102<br>D502 | 4<br>10     | ON  | NONE  | OFF   | 1-1A  | N/A  | OPEN  | SPST<br> |
|           | D101<br>D501 | 4<br>10     | ON  | NONE  | ON  |   |  | 1-1B  |          |
|           | D103<br>D503 | 4<br>10     |   | OFF   |   |   |  |   |   |
|           | D105         | 4           | MOM.  | OFF   | MOM.  |   | N/A  |   |   |
|           | D108<br>D508 | 4<br>10     | MOM.  | NONE  | ON  |   |  |   |   |

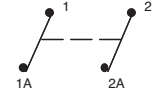

SPDT



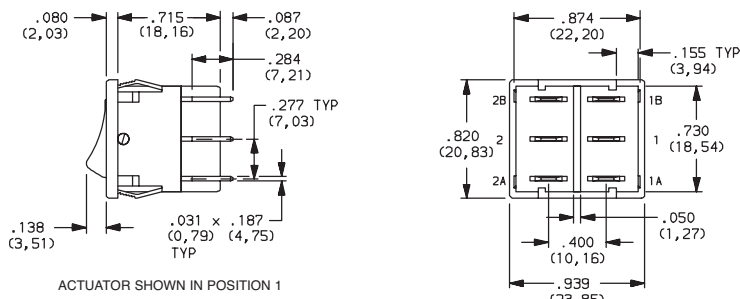
ACTUATOR SHOWN IN POSITION 1

Part number shown: D101J12S215QA

TERMINAL NOS.  
FOR REF. ONLY

|    |              |         |      |      |     |            |      |            |   |
|----|--------------|---------|------|------|-----|------------|------|------------|---|
| DP | D202<br>D602 | 4<br>10 | ON   | NONE | OFF | 1-1A, 2-2A | N/A  | OPEN       | DPST<br> |
|    | D201<br>D601 | 4<br>10 | ON   | NONE | ON  |            |      | 1-1B, 2-2B |          |
|    | D203         | 4       |      | OFF  |     |            | OPEN |            |   |
|    | D608         | 10      | MOM. | NONE |     |            | N/A  |            |   |

DPDT






ACTUATOR SHOWN IN POSITION 1

Part number shown: D201J12S215QA

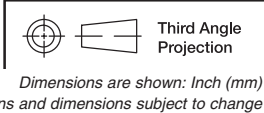
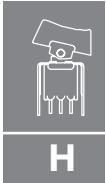
TERMINAL NOS.  
FOR REF. ONLY

MOM. = Momentary

\*AMP RATING: D10X and D20X models: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. D50X and D60X models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.

All models  . DX01, DX02 models also available with . See CONTACT MATERIALS, page H-65.

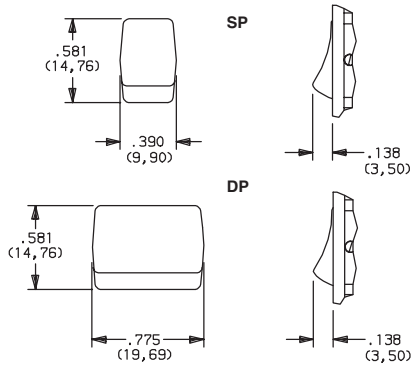
Rocker



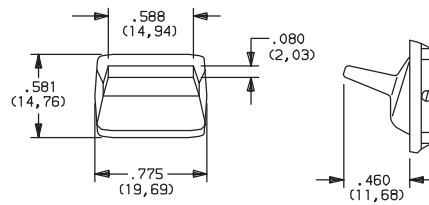
# D Series Miniature Snap-in Power Rocker Switches



## J1 ROCKER



## J5 LEVER



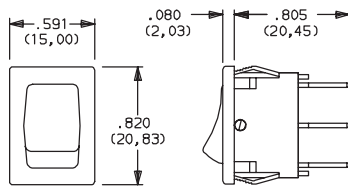
| OPTION CODE | ACTUATOR COLOR |
|-------------|----------------|
| 2           | BLACK          |
| 1           | WHITE          |
| 3           | RED            |

**NOTE:** Actuator finish: matte. Other colors available, consult Customer Service Center.

\*J5\* actuator available only with DP models D201, D202, D601 and D602.

## MOUNTING STYLE/COLOR

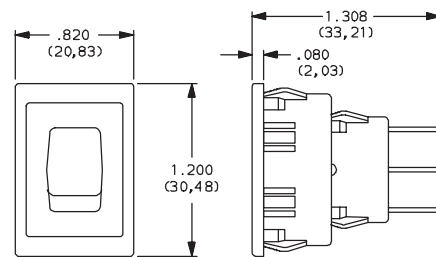
### S SNAP-IN



| OPTION CODE | HOUSING COLOR |
|-------------|---------------|
| 2           | (STD.) BLACK  |
| 1           | WHITE         |

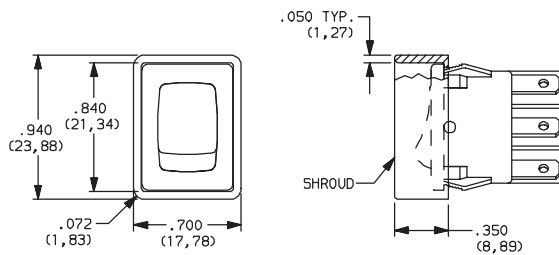
**NOTE:** Frame finish on housing: matte. Other colors available, consult Customer Service Center.

### B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



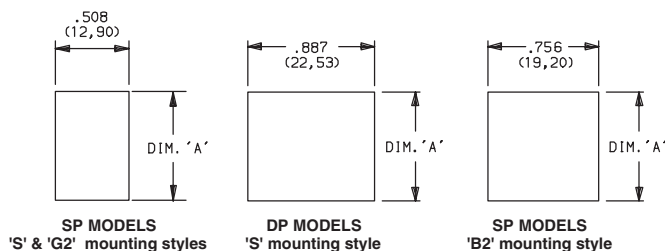
**NOTE:** Vertical mount, SP models only.

### G2 ACTUATOR GUARD, BLACK



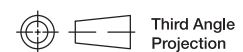
**NOTE:** Vertical mount, SP models only.

### PANEL MOUNTING



| PANEL THICKNESS         | DIM 'A' SP & DP MODELS 'S' MOUNTING STYLE | DIM 'A' WITH 'G2' OPTION SP MODELS ONLY | DIM 'A' SP MODELS 'B' MOUNTING STYLE |
|-------------------------|---|---|--------------------------------------|
| .030-.049 (0,76) (1,24) | .756 (19,20)                              | .764 (19,41)                            | 1.068 (27,13)                        |
| .049-.079 (1,24) (2,01) | .764 (19,41)                              | .780 (19,81)                            | 1.076 (27,33)                        |
| .079-.118 (2,01) (3,00) | .780 (19,81)                              | n/a                                     | 1.092 (27,74)                        |

**NOTE:** Blank insert available for SP models only, see page H-68.



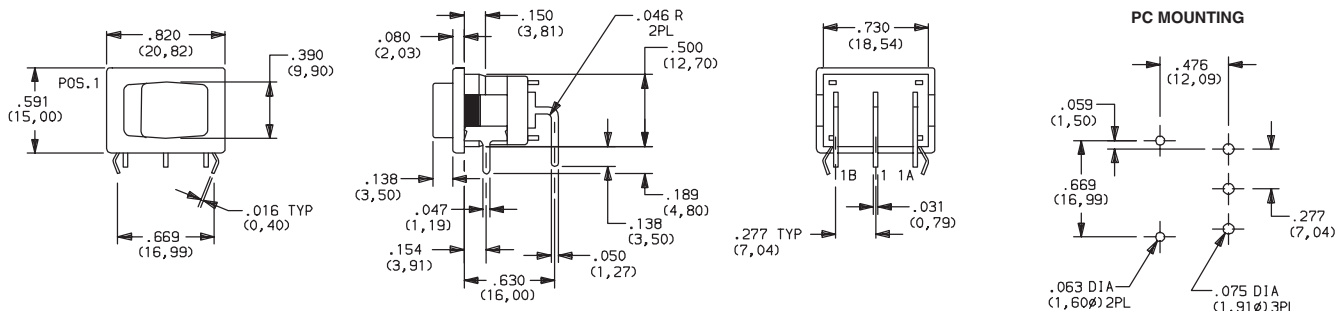
Dimensions are shown: Inch (mm)  
Specifications and dimensions subject to change



# D Series Miniature Snap-in Power Rocker Switches

## TERMINATIONS

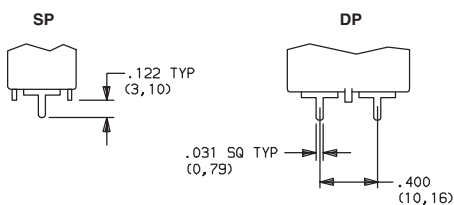
### A RIGHT ANGLE, PC THRU-HOLE



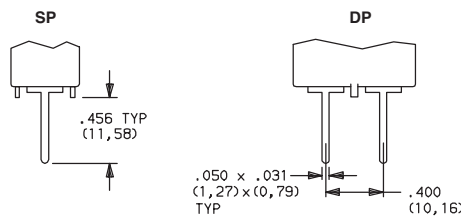
Available with D101, D102, D501, D502 SP models only.

## TERMINATIONS

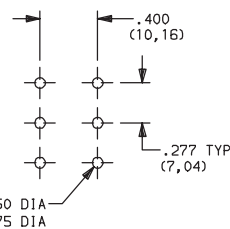
### 02 PC THRU-HOLE



### 06 EXTENDED PC THRU-HOLE



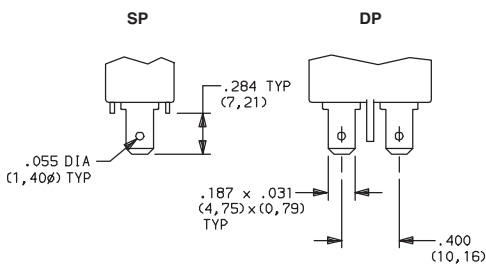
### PC MOUNTING (02 and 06)



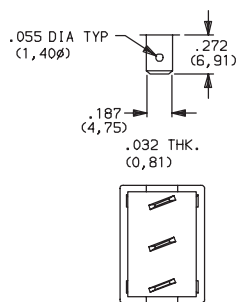
Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

### 15 QUICK CONNECT

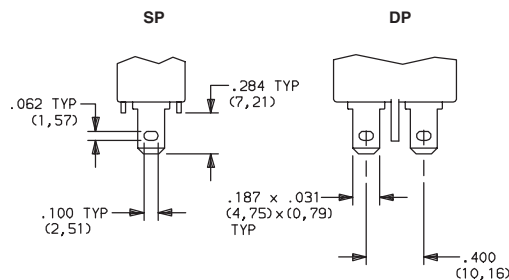


### 05 TWISTED QUICK CONNECT



NOTE: Terminals are twisted.

### 17 WIRABLE QUICK CONNECT



Available with DX01 and DX02 models only.

## ACTUATORS

### NONE NO MARKING

### D ON-OFF

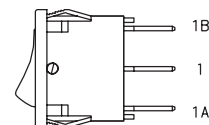
### H O |

### N LARGE DOT

### P O -

### R RED RECTANGLE ON END

### U LARGE DOT ON END



NOTE: Orientation of actuator markings and terminals.

'D, H, P & U' marking options: marking color white, standard for all actuator colors except white. Black marking color, standard for white actuators. 'R & N' marking option: red marking color, standard. Consult Customer Service Center for other available marking colors.



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

www.ck-components.com






# D Series Miniature Snap-in Power Rocker Switches

## CONTACT MATERIAL

| OPTION CODE | CONTACT AND TERMINAL MATERIAL | RATINGS |  |
|-------------|-------------------------------|---------|--|
| QA          | SILVER <sup>1</sup>           | POWER   | D10X and D20X MODELS: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC (UL/CSA).<br>D50X and D60X MODELS: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL/CSA).  |
| QF          |                               |         | D10X and D20X MODELS: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC (UL/CSA).<br>4(2) AMPS @ 125 V AC; 2(1) AMPS @ 250 V AC, T85 (VDE).<br>D50X and D60X MODELS: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL/CSA).<br>10(6) AMPS @ 125 V AC; 5(3) AMPS @ 250 V AC, T85 (VDE). |

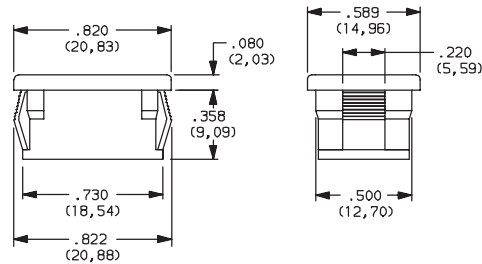
<sup>1</sup>MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.  
D50X and D60X MODELS: Coin silver, silver plated.

STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

All models   with all options. DX01, DX02 models    when ordered with 'QF' contact material.

## AVAILABLE HARDWARE

Insert  
SP Only



PART NO.

**057190200** BLACK

Material: Nylon 6/6  
Finish: Matte

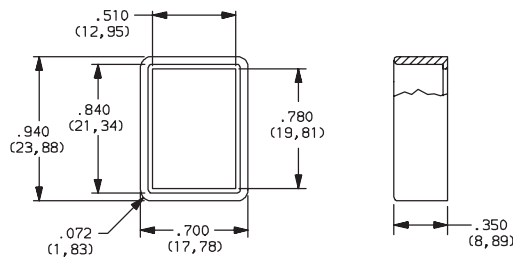
Recessed Actuator Guard,  
SP Only



**599D02000** BLACK

Material: 6/6 Nylon  
Finish: Matte

Actuator Guard



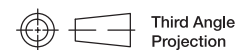
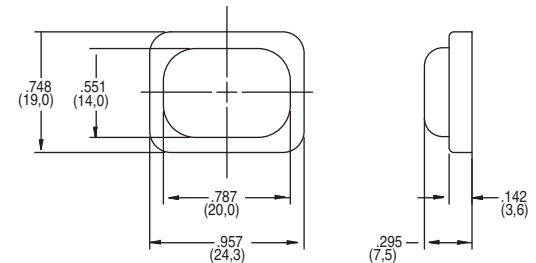
PART NO.

**104C22000**

Material: PBT thermoplastic  
Finish: Matte

PART NO.

**216C00000** IP65 SPLASH PROOF RUBBER BOOT



Dimensions are shown: Inch (mm)

Specifications and dimensions subject to change

[www.ck-components.com](http://www.ck-components.com)

