

# 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
- Gold plated options available

### Typical Applications

- Small appliances
- Computers and peripherals
- Medical instrumentation



UL 61058-1



### Specifications

CONTACT RATING:

D101, D102, D103, D105, D108, D201, D202, D203

GP (general purpose)

4 AMPS 125 VAC 50/60 Hz T85 10,000 cycles

2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles

R (resistive)

4 AMPS 30 VDC T85 10,000 cycles

D501, D502, D503, D508, D601, D602, D608

GP (general purpose)

10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles

5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles

R (resistive)

10 AMPS 30 VDC T85 10,000 cycles

0.4VA @ 20V AC/DC (gold plating) available upon request

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

INSULATION RESISTANCE:  $10^9 \Omega$  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. Gold plating available.

CONTACT SPRING: Music wire or stainless steel.

OPERATING TEMPERATURE: -30°C to +65°C

**NOTE:** Specifications and materials listed above are for standard switches. 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-61 through G-64. 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** Wireable 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
- Gold plating options available contact Customer Service



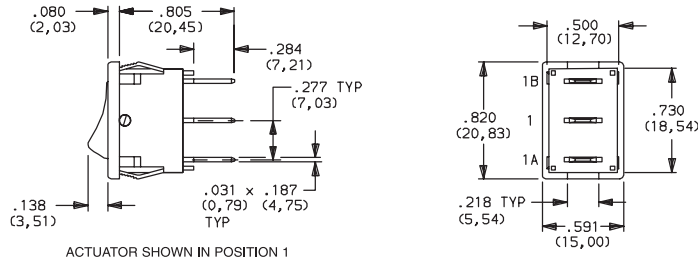
# D Series Miniature Snap-in Power Rocker Switches

## 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 D502	4 10	ON	NONE	OFF	1-1A	N/A	OPEN	SPST 
	D101 D501	4 10	ON	NONE	ON		OPEN	1-1B	
	D103 D503	4 10		OFF					
	D105	4	MOM.	OFF	MOM.				
	D108 D508	4 10	MOM.	NONE	ON		N/A		


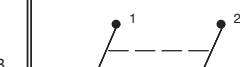
### SPDT



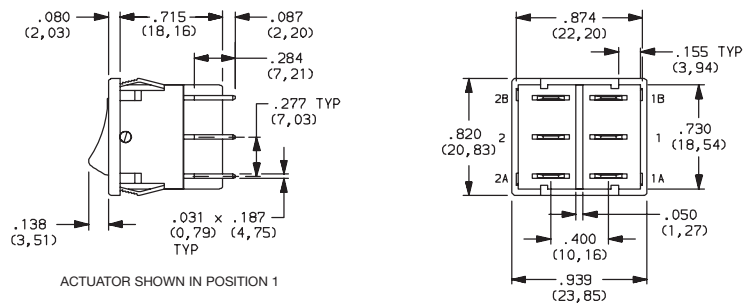
ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS.  
FOR REF. ONLY

Part number shown: D101J12S215QA

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

### DPDT



ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS.  
FOR REF. ONLY

Part number shown: D201J12S215QA

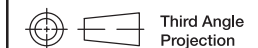
MOM. = Momentary

\*AMP RATING: see G-60

See CONTACT MATERIALS, page G-64.



Rocker



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

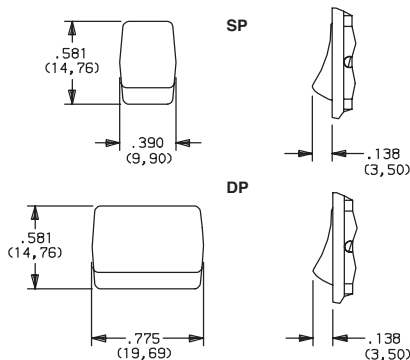
www.ckswitches.com

# D Series Miniature Snap-in Power Rocker Switches



## J1 ROCKER

## J5 LEVER



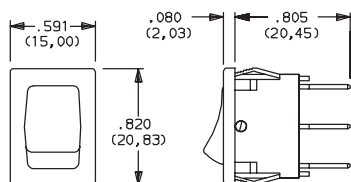
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

**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

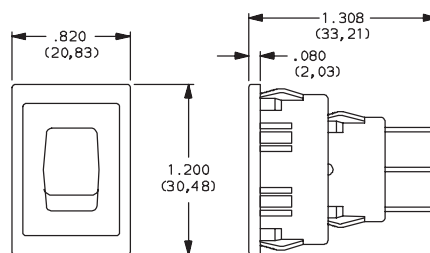
### S SNAP-IN



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

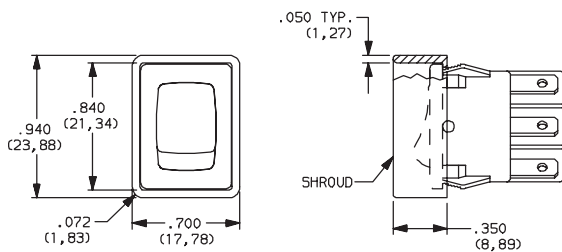
**NOTE:** Frame finish on housing: matte. Other colors available, consult Customer Service Center.

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



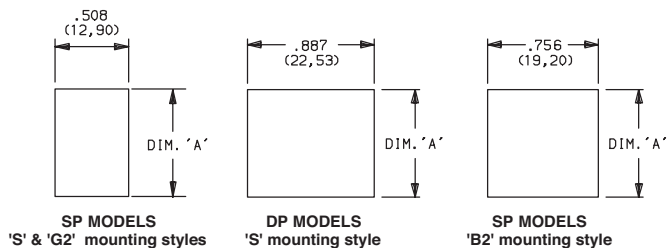
**NOTE:** Vertical mount, SP models only.

### G2 ACTUATOR GUARD, BLACK



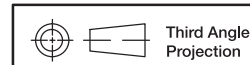
**NOTE:** Vertical mount, SP models only.

### 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 G-64.



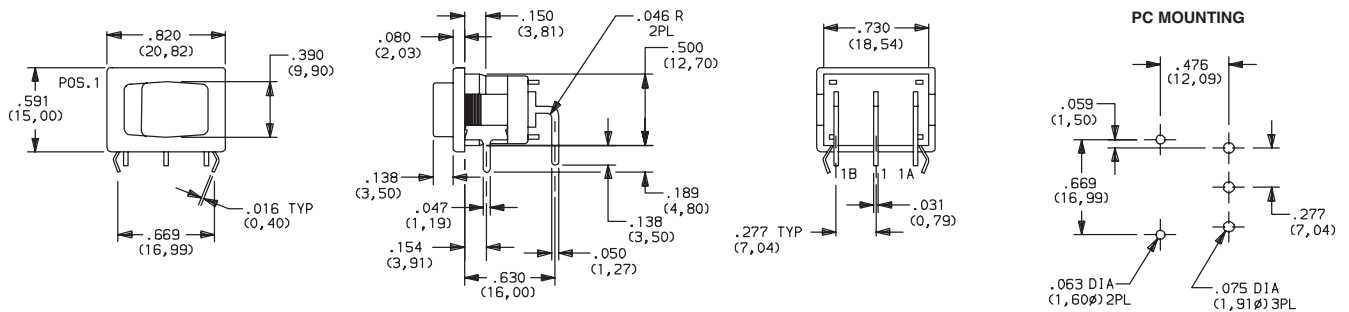
Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change



# D Series Miniature Snap-in Power Rocker Switches

## TERMINATIONS

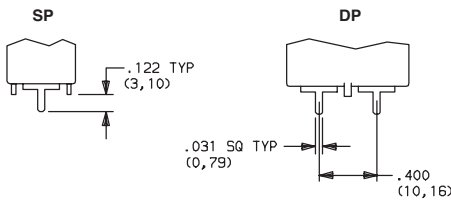
### A RIGHT ANGLE, PC THRU-HOLE



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

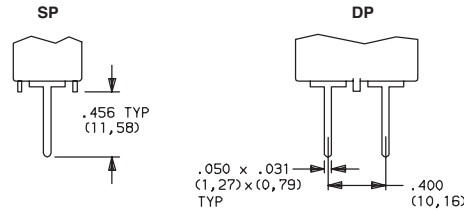
## TERMINATIONS

### 02 PC THRU-HOLE



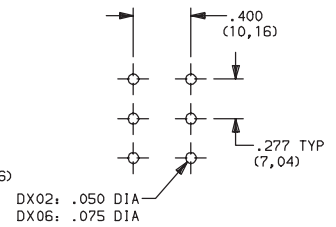
Available with DX01 and DX02 models only.

### 06 EXTENDED PC THRU-HOLE

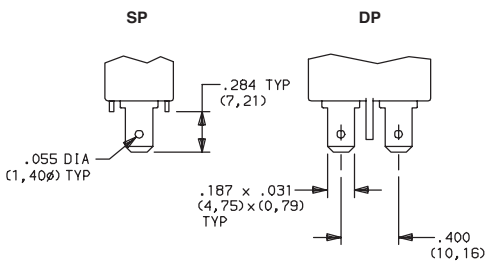


Available with DX01 and DX02 models only.

### PC MOUNTING (02 and 06)

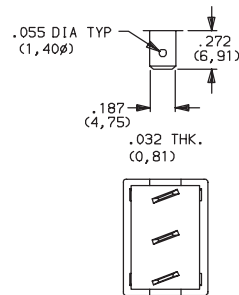


### 15 QUICK CONNECT



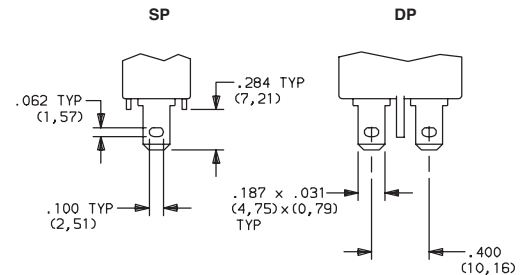
Available with DX01 and DX02 models only.

### 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

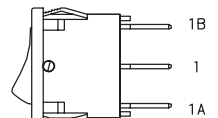
### H O |

### N LARGE DOT

### P O -

### R RED RECTANGLE ON END

### U LARGE DOT ON END



**NOTE:** Orientation of actuator markings and terminals.



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

**C&K**

## Miniature Snap-in Power Rocker Switches

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS
QA	SILVER <sup>1</sup>	D101, D102, D103, D105, D108, D201, D202, D203
		GP (general purpose) 4 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
		2 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive) 4 AMPS 30 VDC T85 10,000 cycles
		D501, D502, D503, D508, D601, D602, D608
		GP (general purpose) 10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles
		5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles
		R (resistive) 10 AMPS 30 VDC T85 10,000 cycles

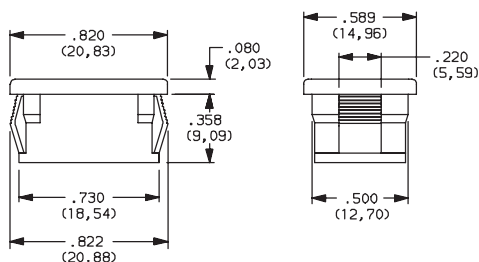
<sup>1</sup>MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.  
D50X and D60X MODELS: Coin silver, silver plated.



0.4VA @ 20V AC/DC Gold plated options available contact Customer Service.

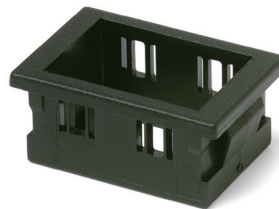
## AVAILABLE HARDWARE

**Insert  
SP Only**



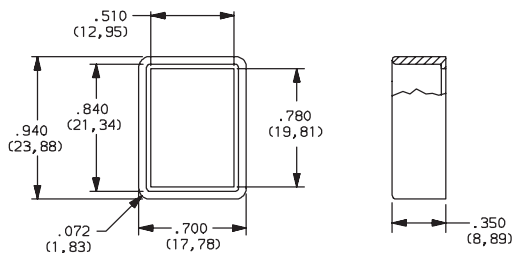
**PART NO.**  
**057190200** BLACK  
Material: Nylon 6/6  
Finish: Matte

### Recessed Actuator Guard, SP Only



**599D02000** BLACK  
Material: 6/6 Nylon  
Finish: Matte

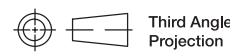
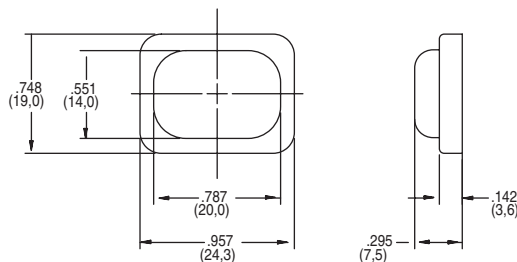
### Actuator Guard



**PART NO.**  
**104C22000**  
Material: PBT thermoplastic  
Finish: Matte

## PART NO.

**216C00000** IP65 SPLASH PROOF RUBBER BOOT



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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## C&K Components:

[D102J12S202PQF](#) [D602J1-2-S2-05-H-QF](#) [D102J12G215QF](#) [D503J12S205](#) [D501J13S205DQA](#) [D501J12S215DQF](#)  
[057190200](#)

## C&K Switches:

[D501J12S202QA](#) [D101J12B215QA](#) [D102J13S215PQA](#) [D102J13S205QA](#) [D501J13S305DQA](#) [D101J12S206QA](#)  
[D101J13S215QA](#) [D501J12B215QA](#) [D501J12S2AHQA](#) [D501J12S2APQA](#) [D102J12B205PQA](#) [D508J12S205PQA](#)  
[D103J12B205NQA](#) [D508J12S205HQA](#) [D502J11S215QA](#) [D102J12G215QA](#)