

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**

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

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.

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-62 through G-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** 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 (UL)



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			1-1B	
	D103 D503	4 10		OFF					
	D105	4	MOM.	OFF	MOM.				
	D108 D508	4 10	MOM.	NONE	ON				

SPDT

ACTUATOR SHOWN IN POSITION 1

Part number shown: D101J12S215QA

TERMINAL NOS.
FOR REF. ONLY

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

DPDT

ACTUATOR SHOWN IN POSITION 1

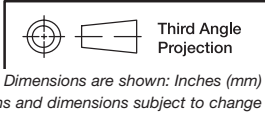
Part number shown: D201J12S215QA

TERMINAL NOS.
FOR REF. ONLY

MOM. = Momentary
*AMP RATING: see G-61
See CONTACT MATERIALS, page G-65.



Rocker

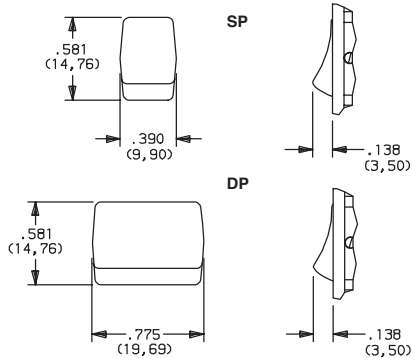


Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

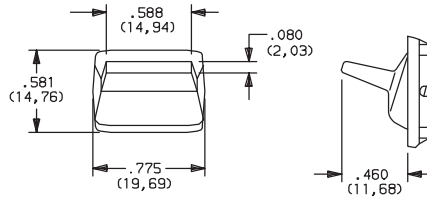
D Series Miniature Snap-in Power Rocker Switches



J1 ROCKER



J5 LEVER



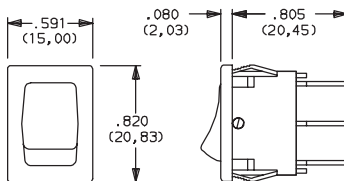
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

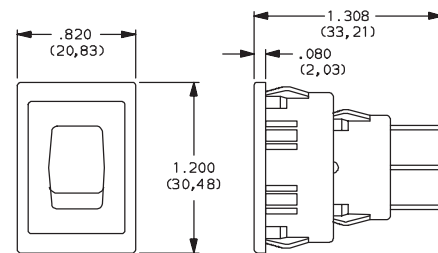
S SNAP-IN



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

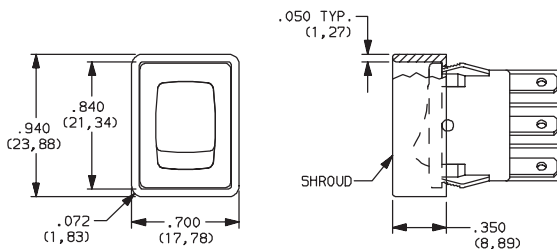
NOTE: Frame finish on housing: matte. Other colors available, consult Customer Service Center.

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



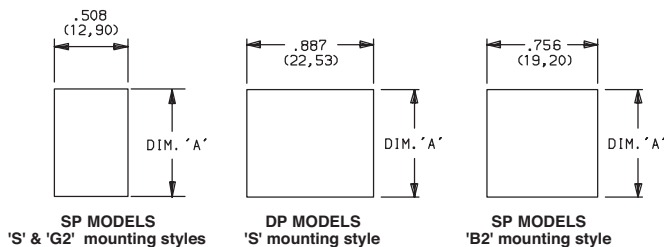
NOTE: Vertical mount, SP models only.

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-65.



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

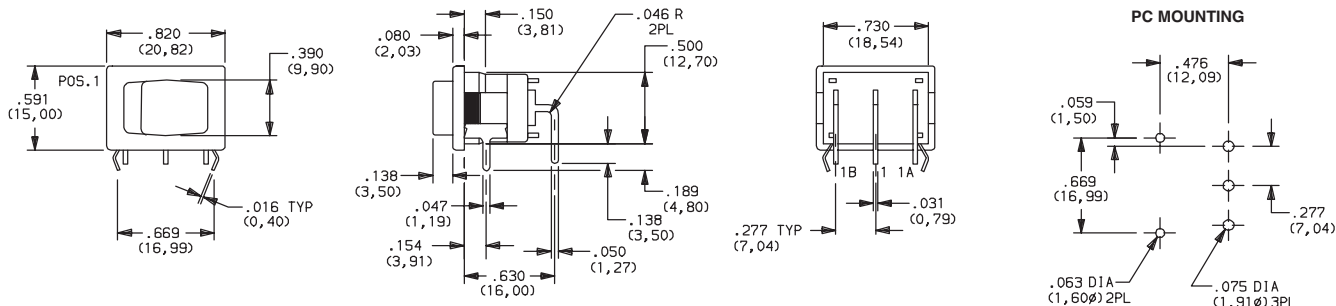
www.ck-components.com



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TERMINATIONS

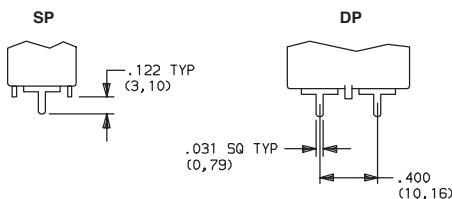
A RIGHT ANGLE, PC THRU-HOLE



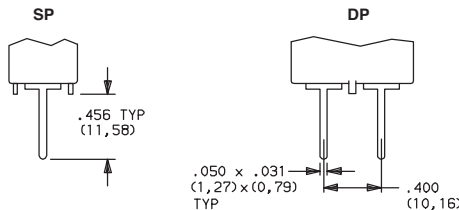
Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

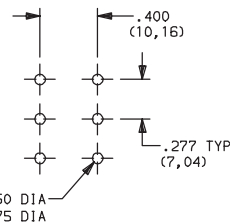
02 PC THRU-HOLE



06 EXTENDED PC THRU-HOLE



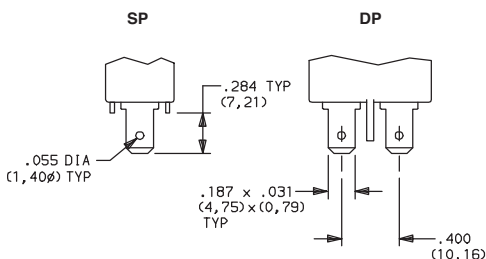
PC MOUNTING (02 and 06)



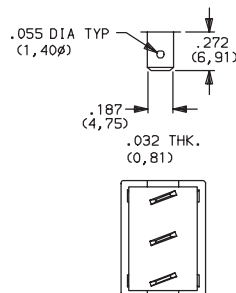
Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

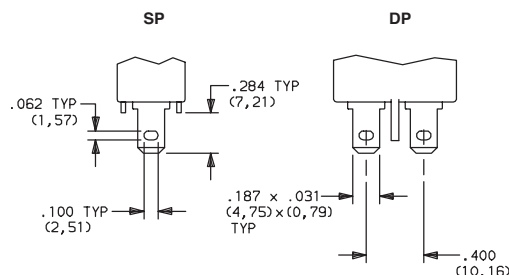
15 QUICK CONNECT



05 TWISTED QUICK CONNECT



17 WIRABLE QUICK CONNECT



Available with DX01 and DX02 models only.

NOTE: Terminals are twisted.

Available with DX01 and DX02 models only.

ACTUATORS

NONE NO MARKING

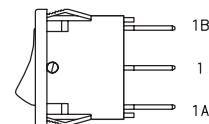
D ON-OFF

H O |

N LARGE DOT

P O -

R RED RECTANGLE U LARGE DOT ON END 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: Inches (mm)

Specifications and dimensions subject to change

www.ck-components.com

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CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS
QA	SILVER ¹	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

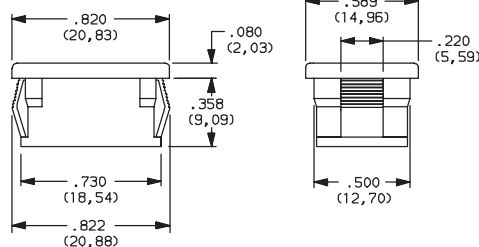
¹MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.

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



AVAILABLE HARDWARE

Insert
SP Only



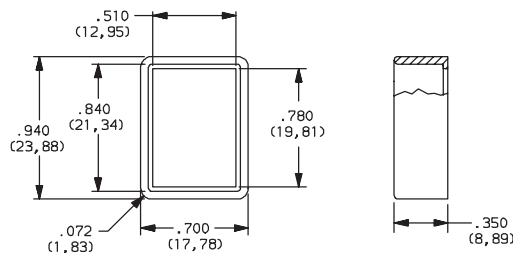
PART NO.
057190200 BLACK
Material: Nylon 6/6
Finish: Matte

Recessed Actuator Guard,
SP Only



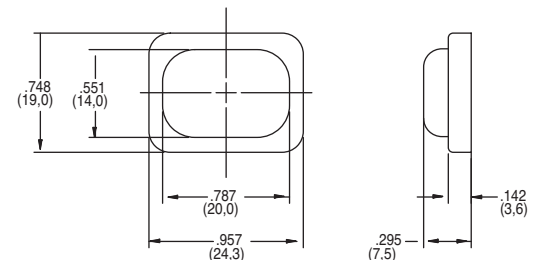
599D02000 BLACK
Material: 6/6 Nylon
Finish: Matte

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:

[D501J12S215PQA](#) [D501J12S215QA](#) [D502J11S215DQF](#) [D602J11S202PQF](#) [D508J12S205QA](#) [D501J12S215PQF](#)
[D101J12S215QA](#) [D501J12S202QA](#) [D101J12B215PQA](#) [D101J12B215QA](#) [D501J12S2APQF](#) [D501J12S2AHQF](#)
[D503J12S205QA](#) [D105J12S205QA](#) [D502J12S215PQF](#) [D502J12S215PQA](#) [D102J13S205DQA](#) [D102J13S215PQA](#)
[D102J12S202PQA](#) [D102J12S202PQF](#) [D102J12S215PQA](#) [D102J12S217PQA](#) [D102J12S215QA](#) [D608J12S205QA](#)
[D601J12S215QA](#) [D201J52S215QA](#) [D601J12S215PQF](#) [D602J12S215PQF](#) [D602J1-2-S2-05-H-QF](#) [D602J52S215QA](#)
[D202J12S215DQA](#) [D202J12S215QA](#) [D201J12S205PQA](#) [D202J12S205PQA](#) [D502J12S217PQF](#)
[D601J12S215PQA](#) [D101J12G215NQA](#) [D101J12S205QF](#) [D101J12S215PQA](#) [D101J12S217NQF](#) [D101J12S217QA](#)
[D101J12S2APQA](#) [D102J11S115DQA](#) [D102J11S217DQA](#) [D102J12B215HQA](#) [D102J12B215HQF](#) [D102J12B217PQF](#)
[D102J12G215HQA](#) [D102J12G215PQA](#) [D102J12G215QF](#) [D102J12G217QA](#) [D102J12S202DQA](#) [D102J12S2AHQA](#)
[D105J11G205PQA](#) [D108J11S205QA](#) [D201J12S202QA](#) [D201J12S202QF](#) [D202J12S206HQA](#) [D202J12S206PQA](#)
[D202J12S215UQA](#) [D202J12S217HQF](#) [D502J11S115QA](#) [D502J12B215HQA](#) [D502J12G215HQA](#) [D502J12S202HQA](#)
[D502J12S206HQA](#) [D502J12S206PQA](#) [D502J12S217HQA](#) [D502J12S2AQF](#) [D601J12S202QF](#) [D601J52S206QA](#)
[D601J53S217DQA](#) [D602J12S215QA](#) [D602J12S217HQF](#) [D503J12S205](#) [D102J13S205QA](#) [D501J13S205DQA](#)
[D501J13S305DQA](#) [D101J12G215HQA](#) [D101J12S205DQA](#) [D101J12S205PQA](#) [D101J12S205QA](#) [D101J12S206QA](#)
[D101J12S215DQA](#) [D101J12S215HQF](#) [D101J12S215PQF](#) [D101J12S2APQF](#) [D101J13S205DQA](#) [D101J13S215QA](#)
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[D102J12S205NQA](#) [D102J12S205PQF](#) [D102J12S205QA](#) [D102J12S215DQA](#) [D102J12S215HQA](#)