

C&K 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



Models Available

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: $10^9 \Omega$ min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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

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-66. 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/CSA)
- QF** Silver (UL/CSA/VDE)



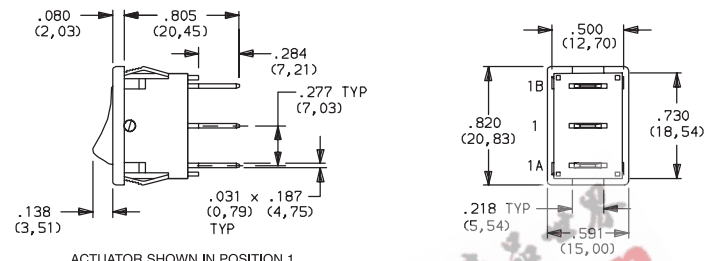
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

C&K 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			OPEN	SPST
	D101 D501	4 10	ON	NONE	ON	1-1A	N/A	1-1B	SPDT
	D103 D503	4 10		OFF			OPEN		
	D105	4	MOM.	OFF	MOM.				
	D108 D508	4 10	MOM.	NONE	ON		N/A		

SPDT



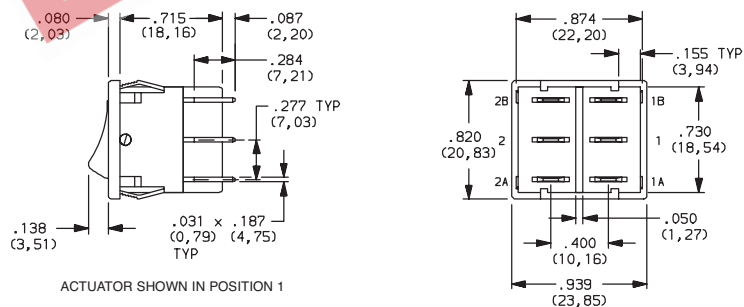
ACTUATOR SHOWN IN POSITION 1

Part number shown: D101J12S215QA

TERMINAL NOS.
FOR REF. ONLY

DP	D202	4	ON	NONE	OFF	1-1A, 2-2A	N/A	OPEN	DPST		
	D602	10									
	D201	4	ON	NONE	ON			1-1B, 2-2B	DPDT		
	D601	10									
	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-68.

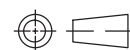
Rocker



H



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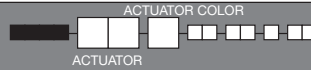


Third Angle
Projection

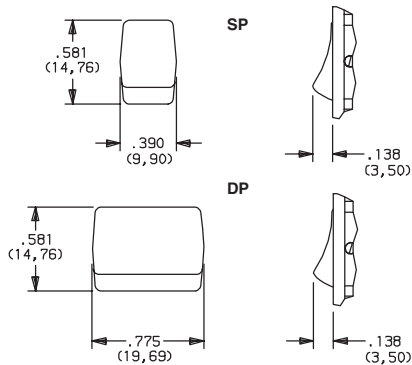
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

C&K D Series Miniature Snap-in Power Rocker Switches

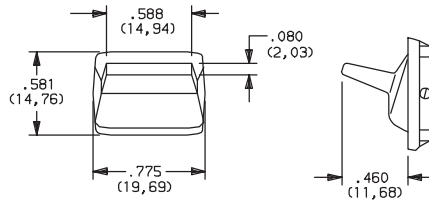
ACTUATOR



J1 ROCKER



J5 LEVER



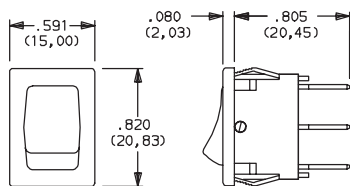
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

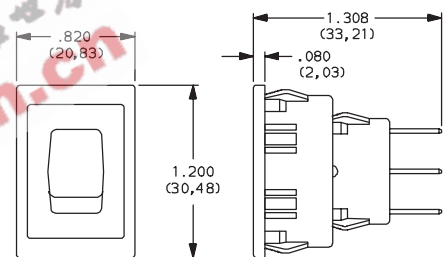
S SNAP-IN



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

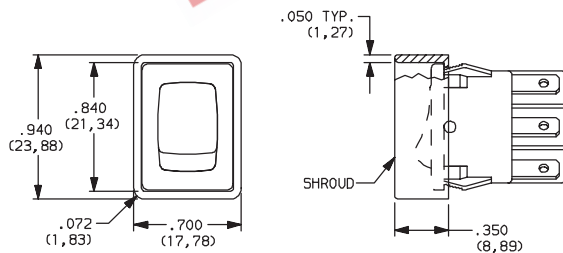
NOTE: Frame finish on housing: matte. Other colors available, consult Customer Service Center.

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



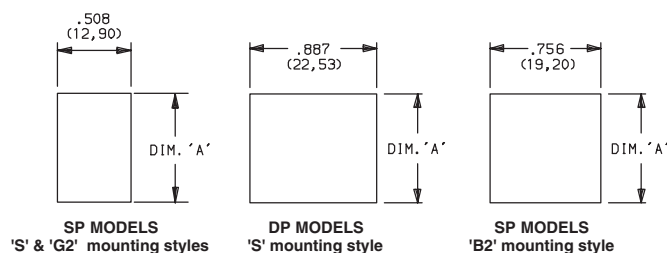
NOTE: Vertical mount, SP models only.

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.

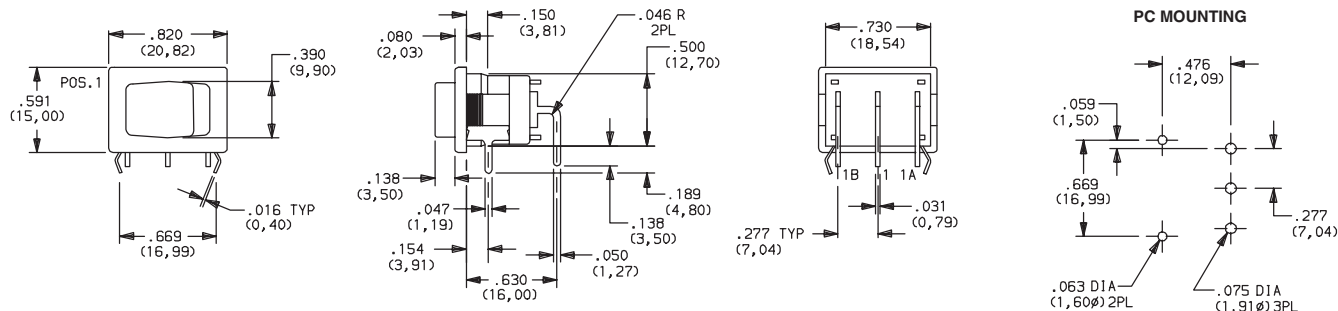


Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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TERMINATIONS

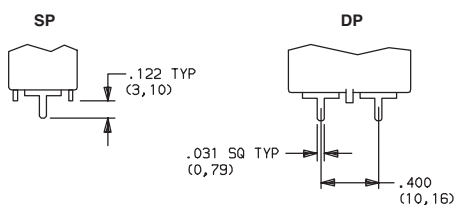
A RIGHT ANGLE, PC THRU-HOLE



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

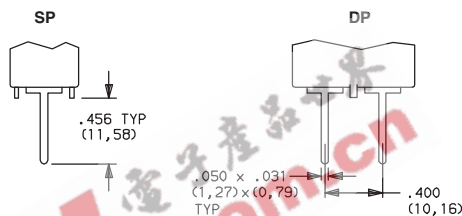
TERMINATIONS

02 PC THRU-HOLE



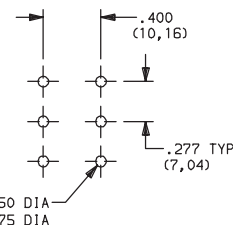
Available with DX01 and DX02 models only.

06 EXTENDED PC THRU-HOLE

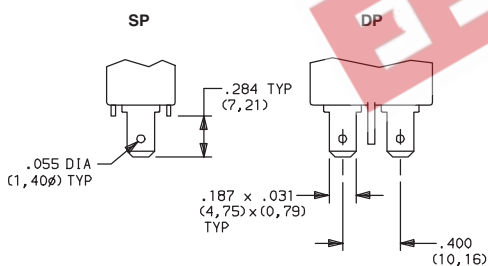


Available with DX01 and DX02 models only.

PC MOUNTING (02 and 06)

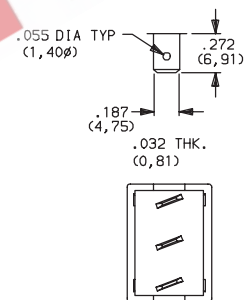


15 QUICK CONNECT



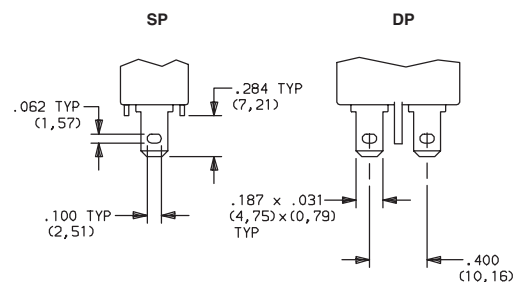
Available with DX01 and DX02 models only.

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 |

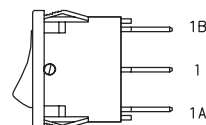
N LARGE DOT

P O -

R RED RECTANGLE ON END

U LARGE DOT ON END

Rocker



'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.

NOTE: Orientation of actuator markings and terminals.



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

www.ittcannon.com

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CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT AND TERMINAL MATERIAL	RATINGS	
QA	YES	YES	SILVER ¹	POWER	D10X and D20X MODELS: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC (UL/CSA). D50X and D60X MODELS: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL/CSA).
QF	YES	YES			D10X and D20X MODELS: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC (UL/CSA). 4(2) AMPS @ 125 V AC; 2(1) AMPS @ 250 V AC, T85 (VDE). D50X and D60X MODELS: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC (UL/CSA). 10(6) AMPS @ 125 V AC; 5(3) AMPS @ 250 V AC, T85 (VDE).

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

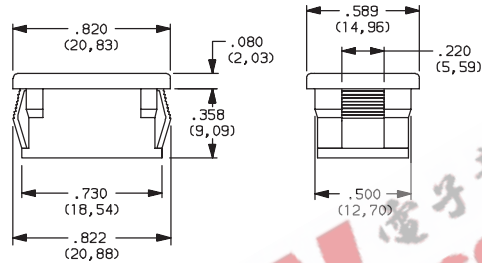
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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

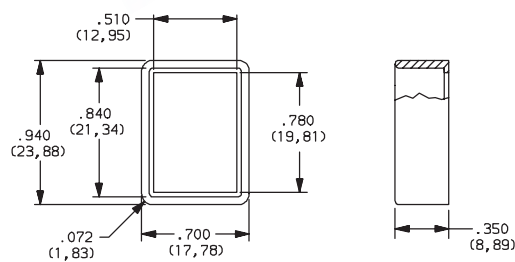
Recessed Actuator Guard,
SP Only



PART NO.
057090100 BLACK

Material: 6/6 Nylon
Finish: Matte

Actuator Guard



PART NO.
104C02000

Material: PBT thermoplastic
Finish: Matte



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