

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)



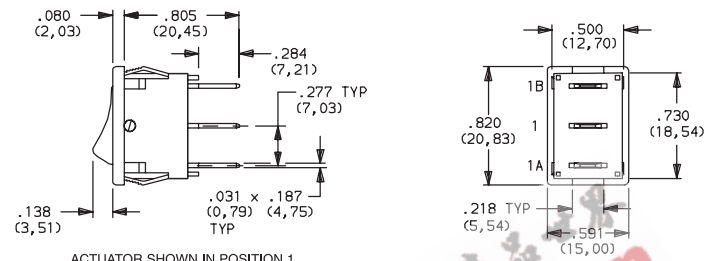
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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



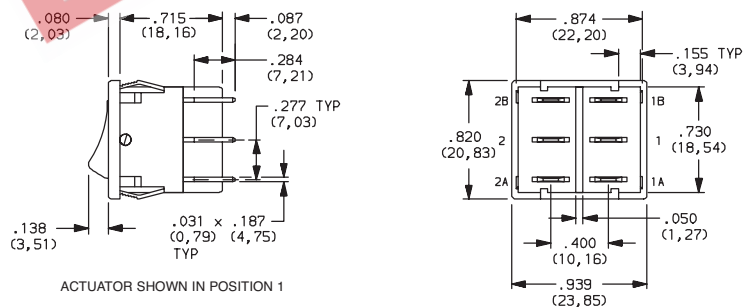
ACTUATOR SHOWN IN POSITION 1

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.

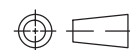
Rocker



H



ITT

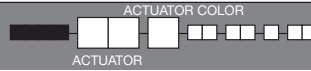


Third Angle
Projection

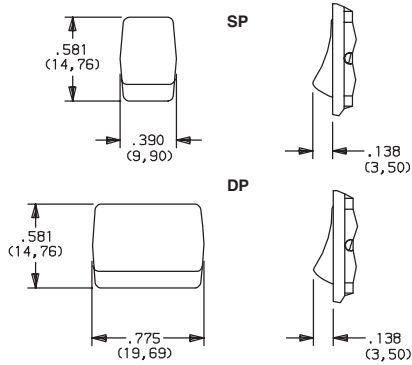
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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

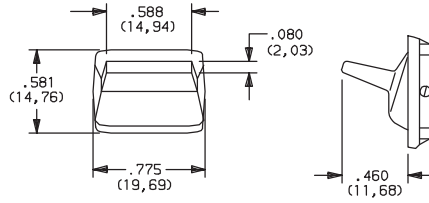
ACTUATOR



J1 ROCKER



J5 LEVER



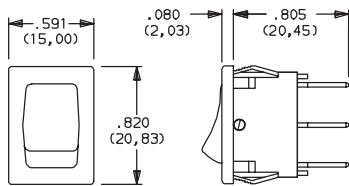
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

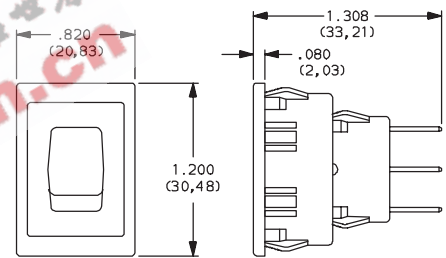
S SNAP-IN



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

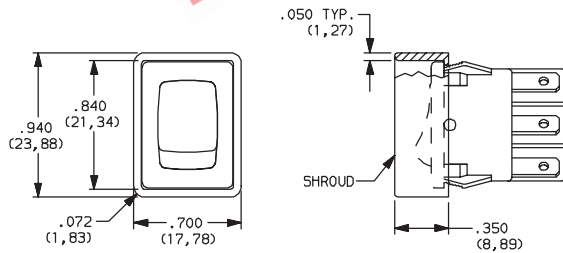
NOTE: Frame finish on housing: matte. Other colors available, consult Customer Service Center.

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



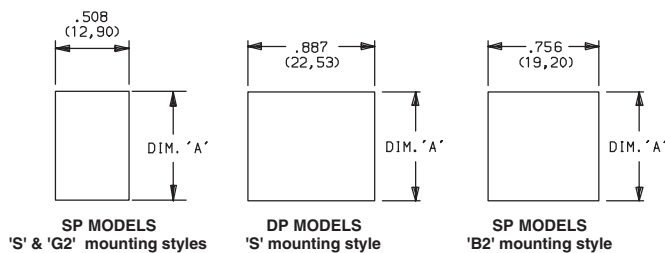
NOTE: Vertical mount, SP models only.

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.

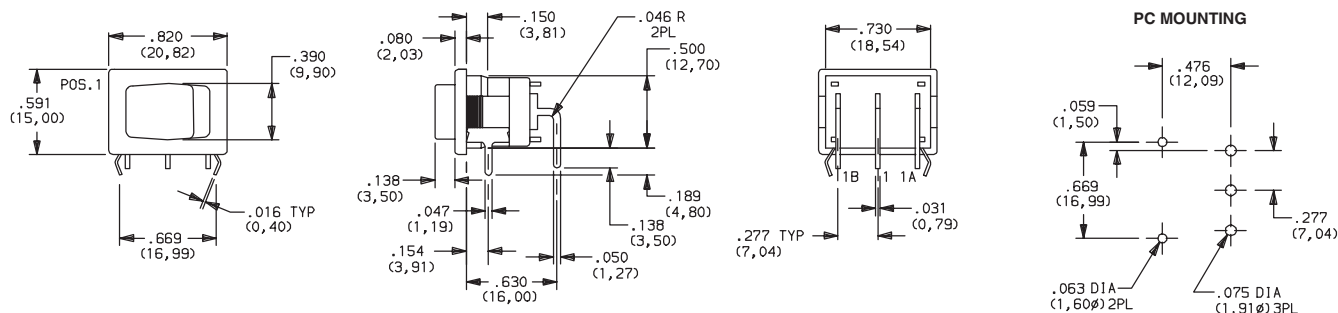


Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE



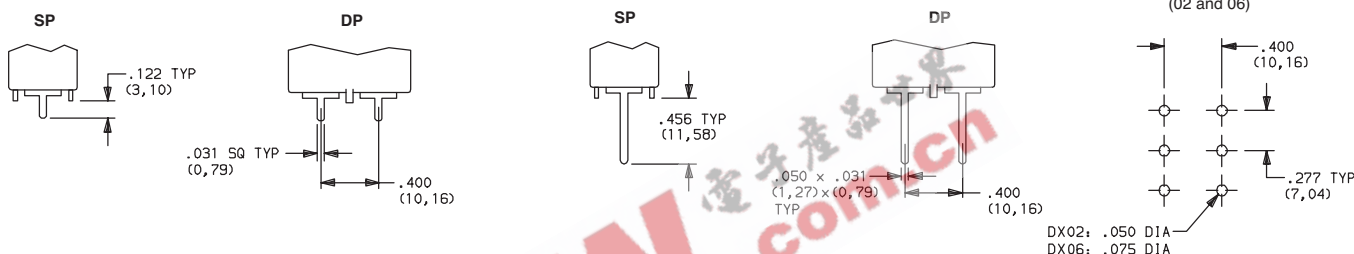
Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

02 PC THRU-HOLE

06 EXTENDED PC THRU-HOLE

PC MOUNTING (02 and 06)



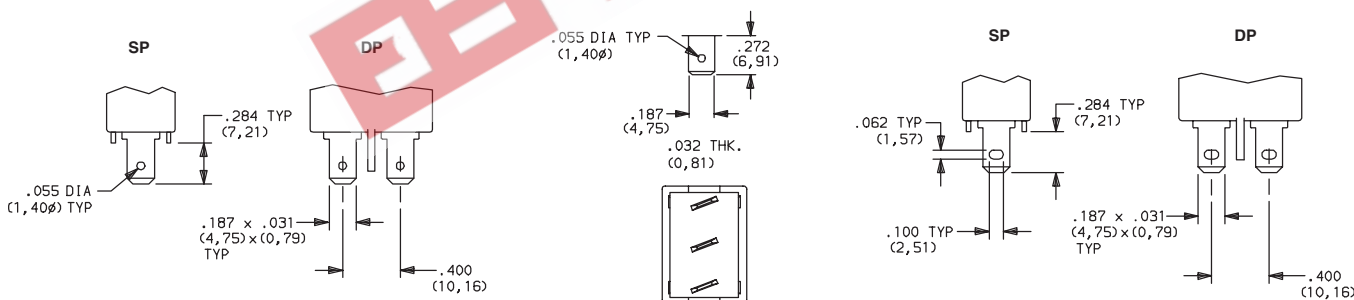
Available with DX01 and DX02 models only.

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

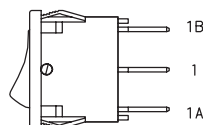
H O |

N LARGE DOT

P O -

R RED RECTANGLE U LARGE DOT ON END

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.

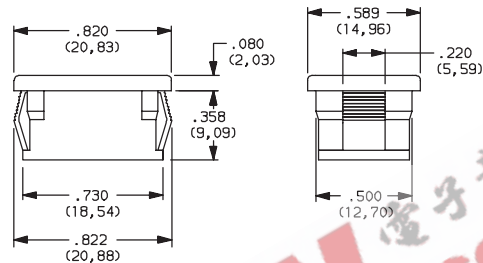
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

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

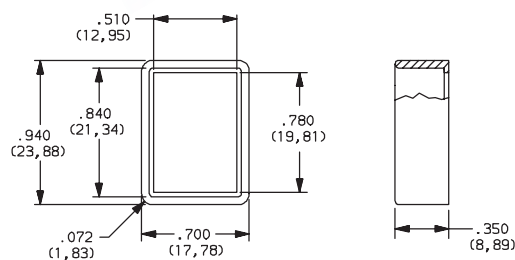
Recessed Actuator Guard,
SP Only



PART NO.
057090100 BLACK

Material: 6/6 Nylon
Finish: Matte

Actuator Guard



PART NO.
104C02000

Material: PBT thermoplastic
Finish: Matte



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