

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**



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: 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

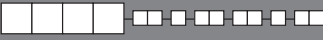
Build-A-Switch

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-65. For additional options not shown in catalog, consult Customer Service Center.

Switch Function		Actuator		Actuator Color		Mounting Style/Color		Terminations		Actuator Markings		Contact Material	
D101	SPDT, On-None-On	J1	Rocker	2	Black	S2	Snap-in, black	15	Quick connect	NONE	No marking	QA	Silver (UL/CSA)
D102	SPST, On-None-Off	J5	Lever	1	White	B2	Recessed snap-in actuator guard, black	A	Right angle, PC thru-hole	D	ON-OFF	QF	Silver (UL/CSA/VDE)
D103	SPDT, On-Off-On			3	Red	G2	Actuator guard, black	02	PC Thru-hole	H	O I		
D105	SPDT, Mom.-Off-Mom.					S1	Snap-in, white	05	Twisted quick connect	N	Large dot		
D108	SPDT, Mom.-None-On							06	Extended PC thru-hole	P	0 -		
D201	DPDT, On-None-On							17	Wireable quick connect	R	Red rectangle on end		
D202	DPST, On-None-Off									U	Large dot on end		
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												

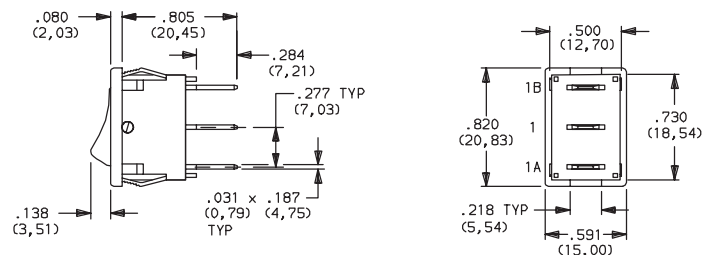


D Series
Miniature Snap-in Power Rocker Switches

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.		N/A		
	D108 D508	4 10	MOM.	NONE	ON				

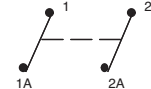
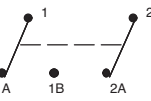
SPDT



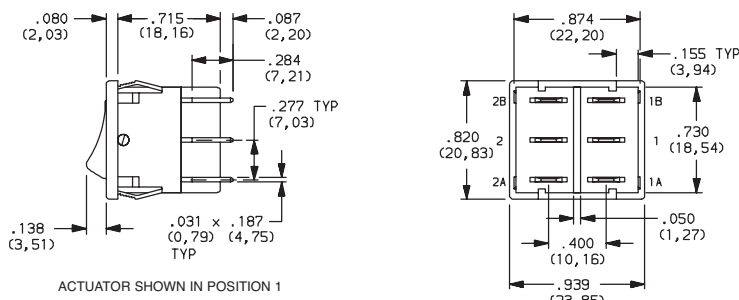
ACTUATOR SHOWN IN POSITION 1

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			OPEN		
	D608	10	MOM.	NONE			N/A		

DPDT



ACTUATOR SHOWN IN POSITION 1

Part number shown: D201J12S215QA

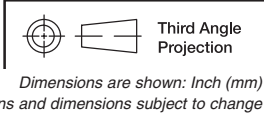
TERMINAL NOS.
FOR REF. ONLY

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.

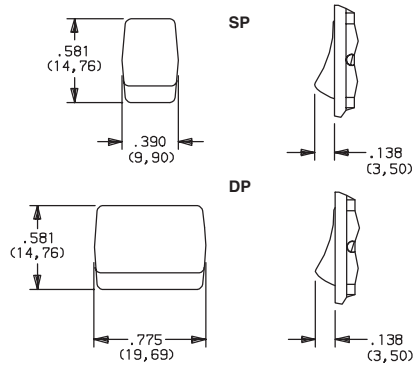
Rocker



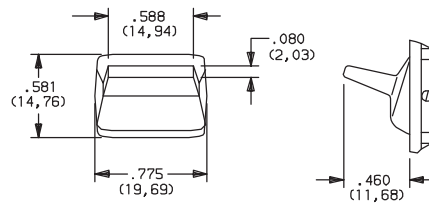
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J1 ROCKER



J5 LEVER



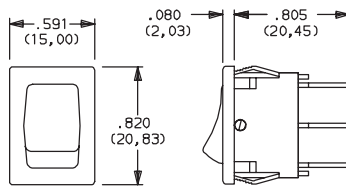
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

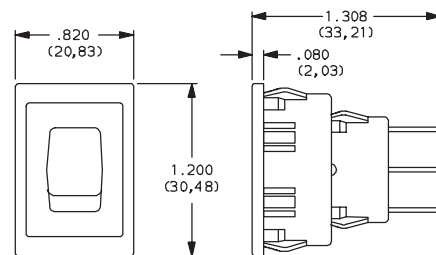
S SNAP-IN



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

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

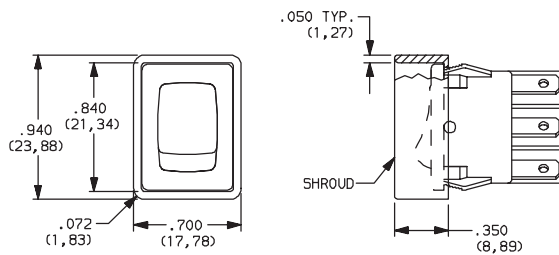
B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



NOTE: Vertical mount, SP models only.

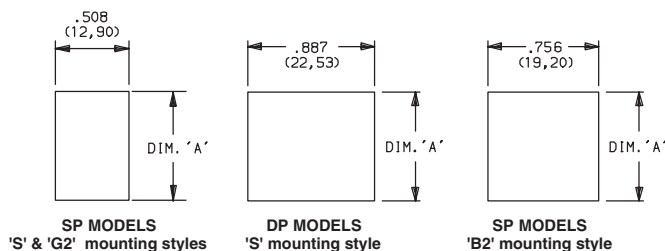
G2 ACTUATOR GUARD, BLACK

NEW!



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.



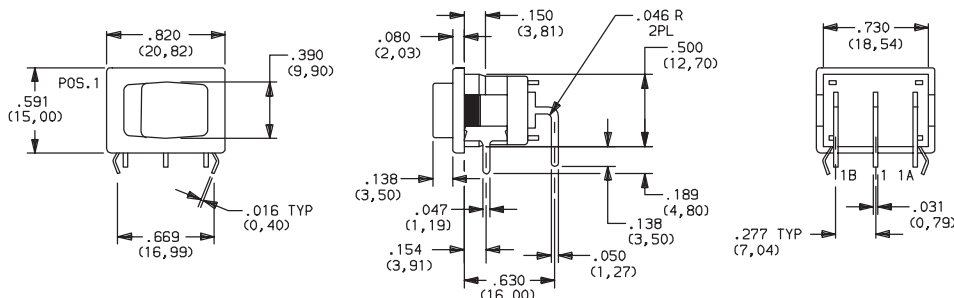
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



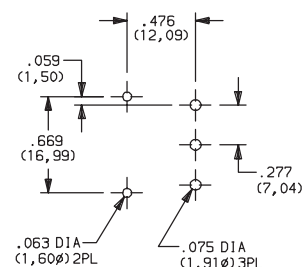
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TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE



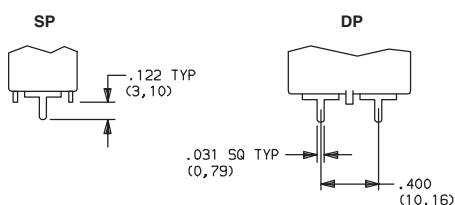
PC MOUNTING



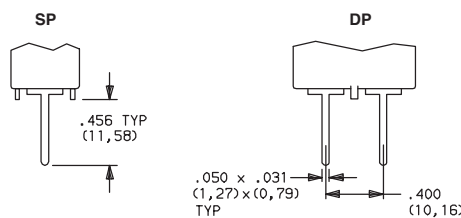
Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

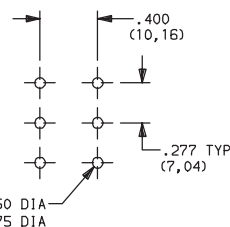
02 PC THRU-HOLE



06 EXTENDED PC THRU-HOLE



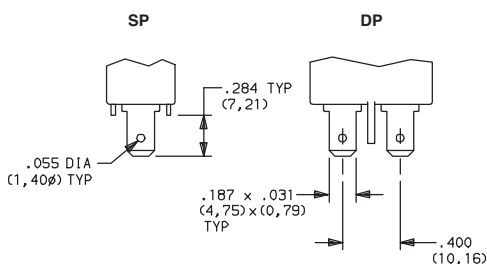
PC MOUNTING (02 and 06)



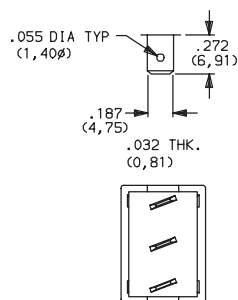
Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

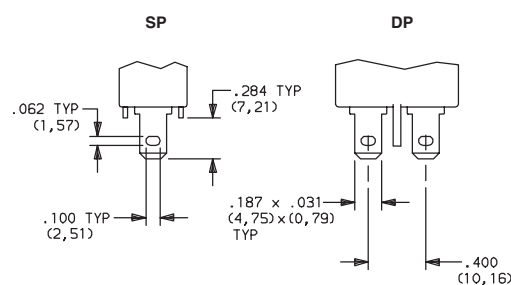
15 QUICK CONNECT



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

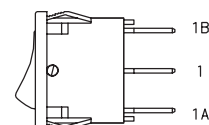
H O |

N LARGE DOT

P O -

R RED RECTANGLE
ON END

U LARGE DOT ON END



NOTE: Orientation of actuator markings and terminals.



Third Angle
Projection

'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



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CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QA	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			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).

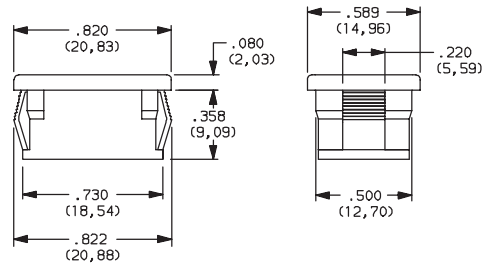
¹MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.

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

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

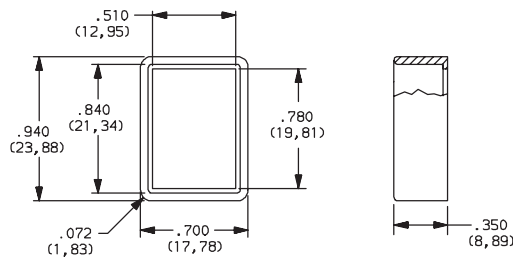
Recessed Actuator Guard,
SP Only



057090100 BLACK

Material: 6/6 Nylon
Finish: Matte

Actuator Guard



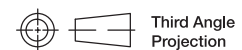
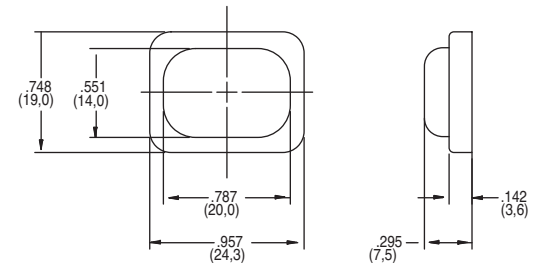
PART NO.

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

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