

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-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
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	Gold plating options available contact Customer Service
D103 SPDT, On-Off-On		3 Red	G2 Actuator guard, black	02 PC Thru-hole	H 0 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						



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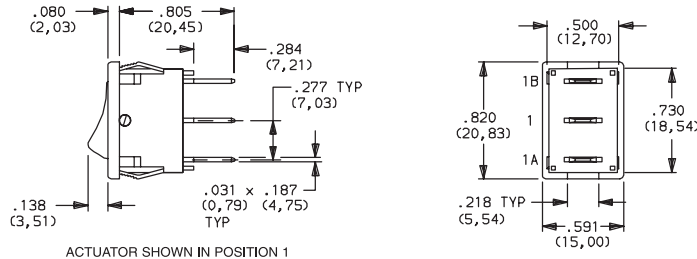
D Series Miniature Snap-in Power Rocker Switches

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						MOM.
	D105	4	MOM.	OFF	MOM.		N/A			
	D108 D508	4 10	MOM.	NONE	ON					

SPDT



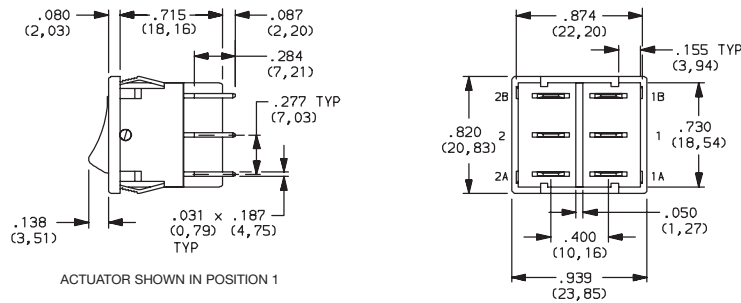
ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS.
FOR REF. ONLY

Part number shown: D101J12S215QA

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

DPDT



ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS.
FOR REF. ONLY

Part number shown: D201J12S215QA

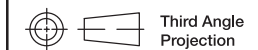
MOM. = Momentary

*AMP RATING: see G-60

See CONTACT MATERIALS, page G-64.



Rocker



Third Angle Projection

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

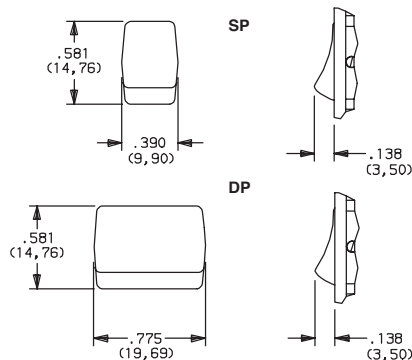


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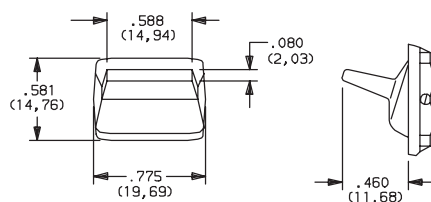
D Series Miniature Snap-in Power Rocker Switches



J1 ROCKER



J5 LEVER



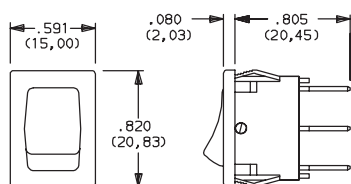
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

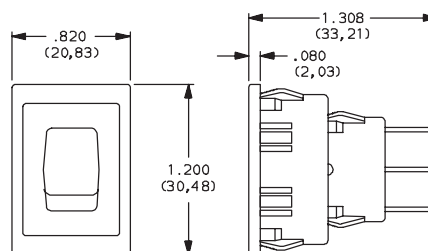
S SNAP-IN



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

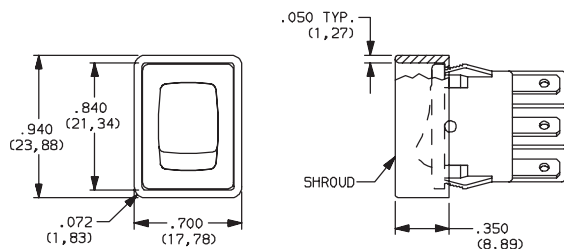
NOTE: Frame finish on housing: matte. Other colors available, consult Customer Service Center.

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



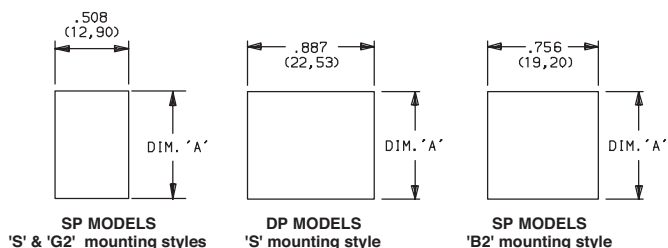
NOTE: Vertical mount, SP models only.

G2 ACTUATOR GUARD, BLACK



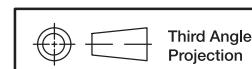
NOTE: Vertical mount, SP models only.

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.



Third Angle Projection

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



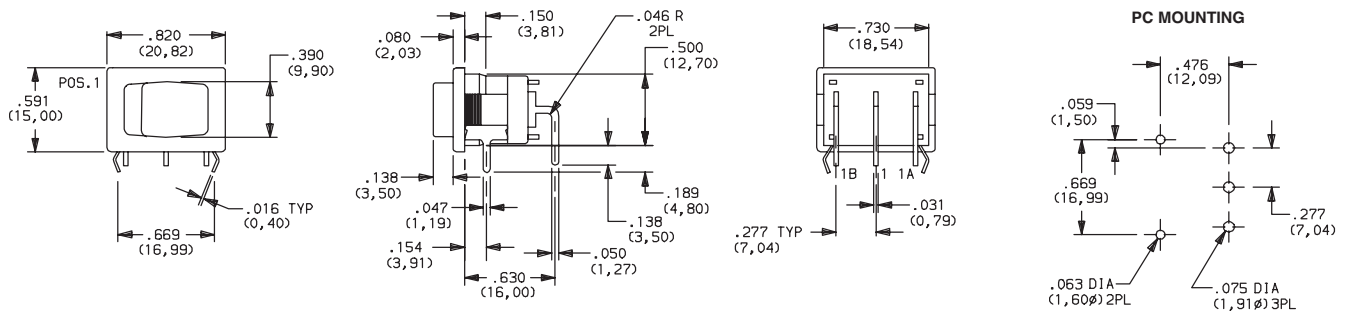
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D Series Miniature Snap-in Power Rocker Switches

TERMINATIONS

A RIGHT ANGLE, PC THRU-HOLE

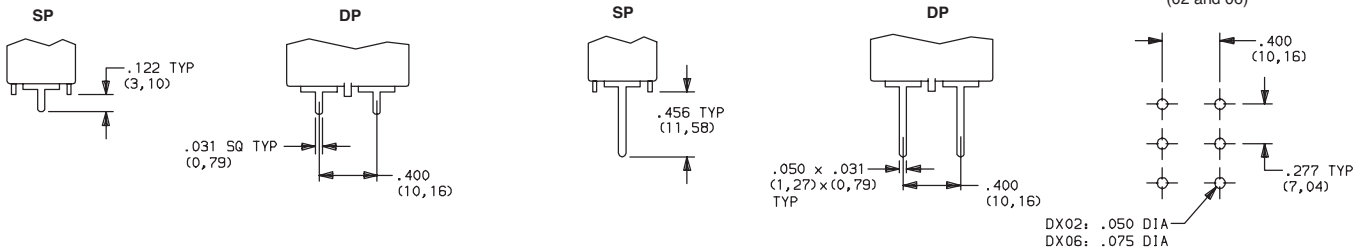


Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

02 PC THRU-HOLE

06 EXTENDED PC THRU-HOLE



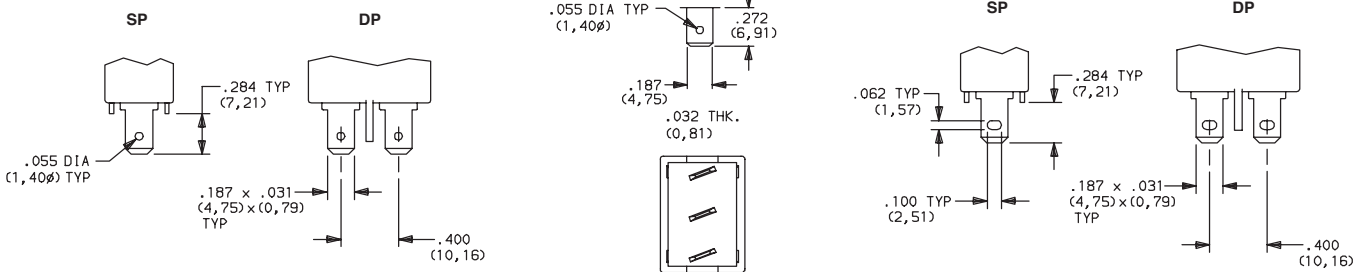
Available with DX01 and DX02 models only.

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



'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: Inches (mm)
Specifications and dimensions subject to change

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Rocker



G

C&K

Miniature Snap-in Power Rocker Switches

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

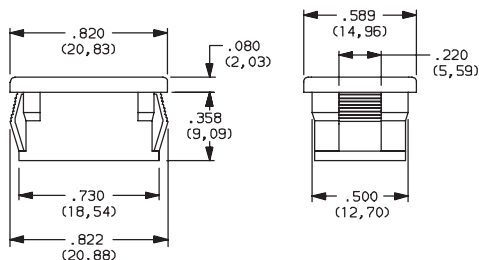
¹MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.



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

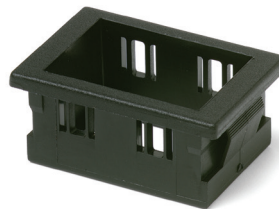
AVAILABLE HARDWARE

**Insert
SP Only**



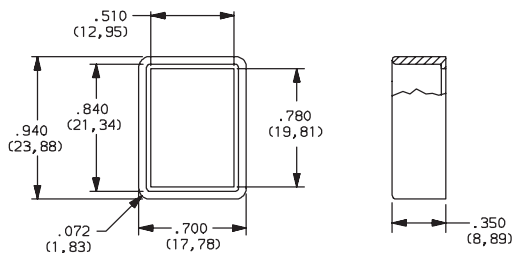
PART NO.
057190200 BLACK
Material: Nylon 6/6
Finish: Matte

Recessed Actuator Guard, SP Only



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

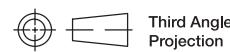
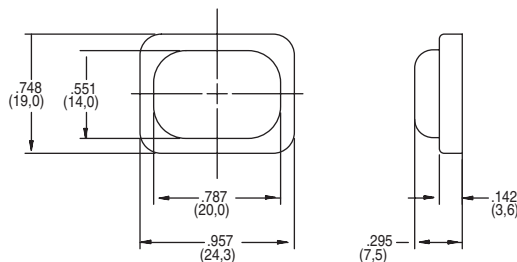
Actuator Guard



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

PART NO.

216C00000 IP54 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 Switches:

[D602J11S202PQF](#) [D501J12S215PQF](#) [D501J12S2APQF](#) [D501J12S2AHQF](#) [D502J12S215PQF](#) [D601J12S215PQF](#)
[D602J12S215PQF](#) [D602J1-2-S2-05-H-QF](#) [D502J12S217PQF](#) [D101J12S205QF](#) [D101J12S217NQF](#)
[D102J12B215HQF](#) [D102J12B217PQF](#) [D201J12S202QF](#) [D202J12S217HQF](#) [D502J12S2AQF](#) [D601J12S202QF](#)
[D602J12S217HQF](#) [D101J12S215HQF](#) [D101J12S215PQF](#) [D101J12S2APQF](#) [D102J12B215PQF](#) [D102J12S205PQF](#)
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[D102J13S215HQF](#) [D102J13S217PQF](#) [D105J19S205QA](#) [D201J12S215UQF](#) [D202J12S205PQF](#) [D202J12S215PQF](#)
[D202J12S217PQF](#) [D202J13S205PQF](#) [D501J12B215QF](#) [D501J12S202HQF](#) [D501J12S202PQF](#) [D501J12S205QF](#)
[D501J12S215QF](#) [D502J12B215PQF](#) [D502J12S206QF](#) [D502J12S215DQF](#) [D502J12S215QF](#) [D502J12S2AHQF](#)
[D502J12S2APQF](#) [D502J17S215NQA](#) [D601J12S205QF](#) [D601J12S215QF](#) [D602J11S115PQF](#) [D602J11S206PQF](#)
[D602J12S205PQF](#) [D602J12S215QF](#) [D602J12S205HQF](#) [D502J12S105PQF](#) [D601J13S215PQF](#) [D602J12S202PQF](#)
[D202-J1-2-S2-05QA](#) [D101J12G215PQA](#) [D602J12S217PQA](#) [D601J17S215QA](#) [D102J13S205PQA](#)
[D102J12G202DQA](#)