

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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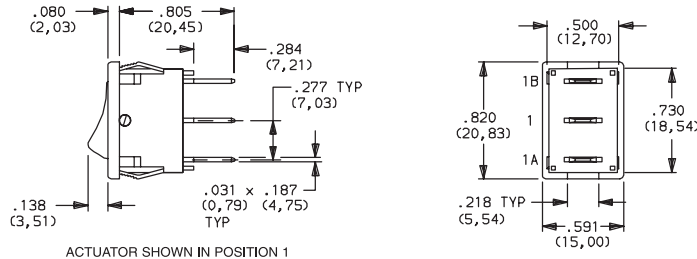
D Series Miniature Snap-in Power Rocker Switches

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

SPDT



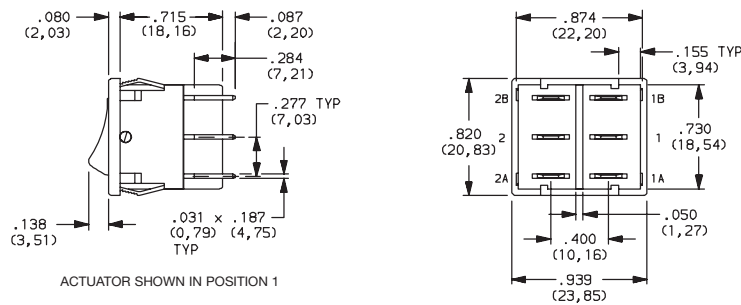
ACTUATOR SHOWN IN POSITION 1

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

DPDT



ACTUATOR SHOWN IN POSITION 1

TERMINAL NOS.
FOR REF. ONLY

Part number shown: D201J12S215QA

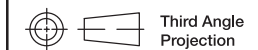
MOM. = Momentary

*AMP RATING: see G-60

See CONTACT MATERIALS, page G-64.



Rocker



Dimensions are shown: Inches (mm)

Specifications and dimensions subject to change

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C&K

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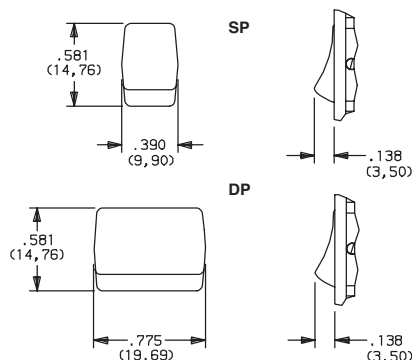


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J1 ROCKER

J5 LEVER



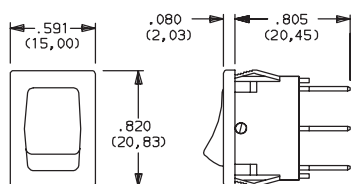
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

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

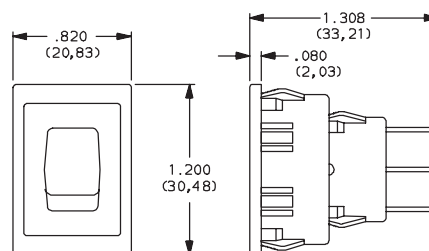
S SNAP-IN



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

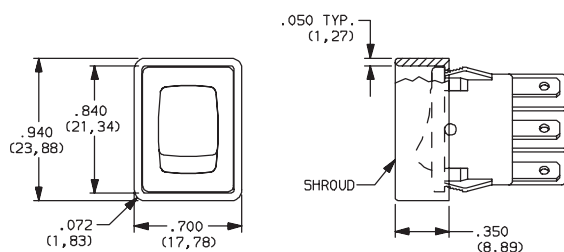
NOTE: Frame finish on housing: matte. Other colors available, consult Customer Service Center.

B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



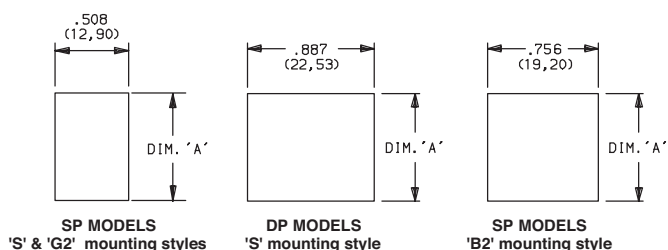
NOTE: Vertical mount, SP models only.

G2 ACTUATOR GUARD, BLACK



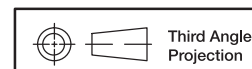
NOTE: Vertical mount, SP models only.

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.



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

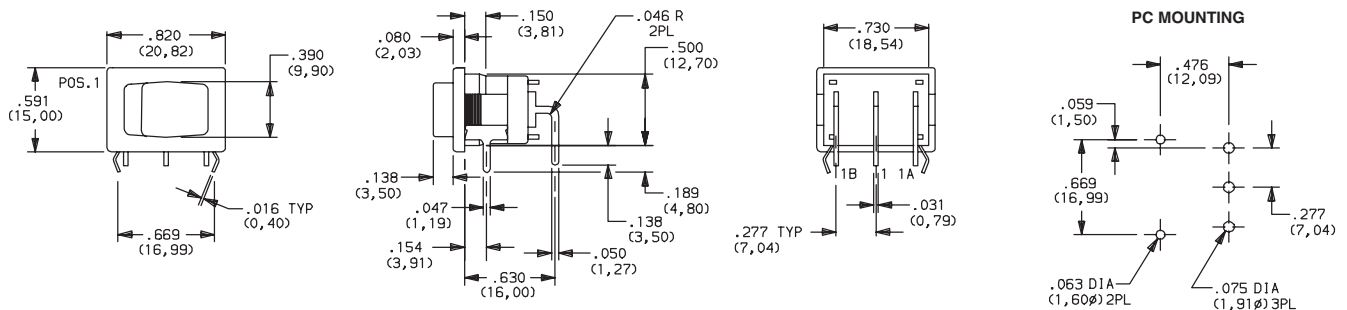


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TERMINATIONS

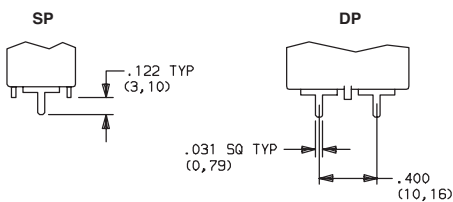
A RIGHT ANGLE, PC THRU-HOLE



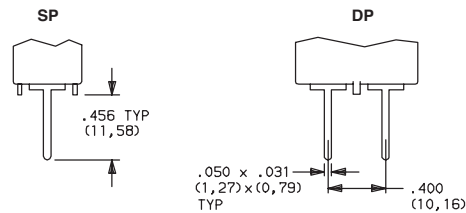
Available with D101, D102, D501, D502 SP models only.

TERMINATIONS

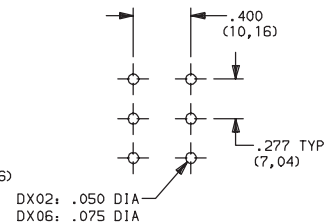
02 PC THRU-HOLE



06 EXTENDED PC THRU-HOLE



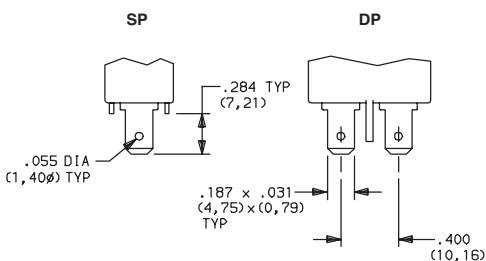
PC MOUNTING (02 and 06)



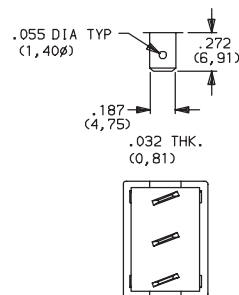
Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

15 QUICK CONNECT

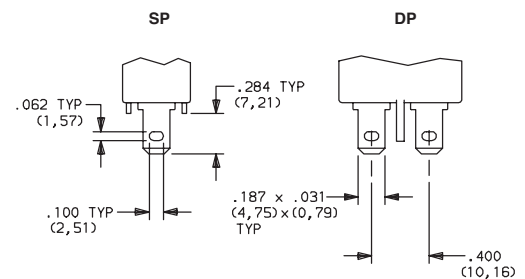


05 TWISTED QUICK CONNECT



NOTE: Terminals are twisted.

17 WIRABLE QUICK CONNECT



Available with DX01 and DX02 models only.

Available with DX01 and DX02 models only.

ACTUATORS

NONE NO MARKING

D ON-OFF

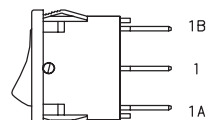
H O |

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.



Third Angle Projection

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

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

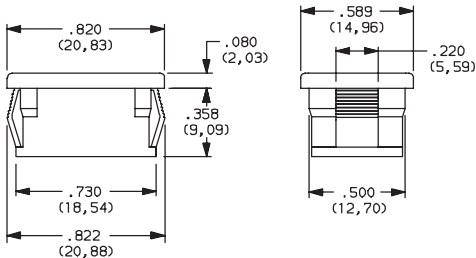
¹MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.



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

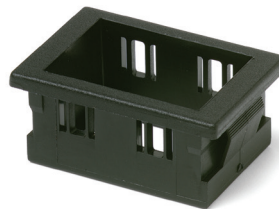
AVAILABLE HARDWARE

**Insert
SP Only**



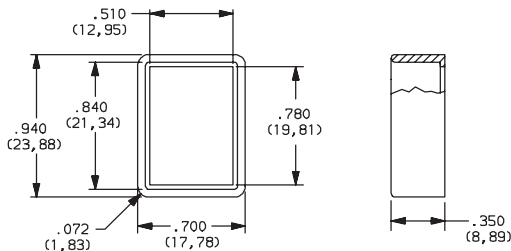
PART NO.
057190200 BLACK
Material: Nylon 6/6
Finish: Matte

Recessed Actuator Guard, SP Only



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

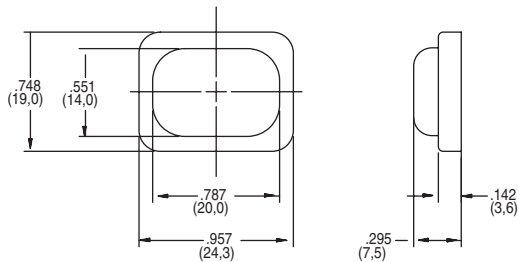
Actuator Guard



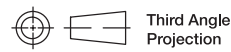
PART NO.
104C22000
Material: PBT thermoplastic
Finish: Matte

PART NO.

216C00000 IP54 SPLASH PROOF RUBBER BOOT



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Specifications and dimensions subject to change

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Mouser Electronics

Authorized Distributor

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[D502J12S215PQA](#) [D102J12S202PQA](#) [D102J12S215PQA](#) [D102J12S217PQA](#) [D102J12S215QA](#) [D608J12S205QA](#)
[D601J12S215QA](#) [D201J52S215QA](#) [D202J12S215DQA](#) [D202J12S215QA](#) [D201J12S205PQA](#) [D202J12S205PQA](#)
[D601J12S215PQA](#) [D101J12G215NQA](#) [D101J12S215PQA](#) [D101J12S217QA](#) [D101J12S2APQA](#) [D102J11S115DQA](#)
[D102J11S217DQA](#) [D102J12B215HQA](#) [D102J12G215HQA](#) [D102J12G215PQA](#) [D102J12G217QA](#) [D102J12S202DQA](#)
[D102J12S2AHQA](#) [D105J11G205PQA](#) [D108J11S205QA](#) [D201J12S202QA](#) [D202J12S206HQA](#) [D202J12S206PQA](#)
[D202J12S215UQA](#) [D502J11S115QA](#) [D502J12B215HQA](#) [D502J12G215HQA](#) [D502J12S202HQA](#) [D502J12S206HQA](#)
[D502J12S206PQA](#) [D502J12S217HQA](#) [D601J52S206QA](#) [D601J53S217DQA](#) [D602J12S215QA](#) [D101J12G215HQA](#)
[D101J12S205DQA](#) [D101J12S205PQA](#) [D101J12S205QA](#) [D101J12S215DQA](#) [D101J13S205DQA](#) [D102J11S205QA](#)
[D102J12B215PQA](#) [D102J12S115DQA](#) [D102J12S115HQA](#) [D102J12S205DQA](#) [D102J12S205NQA](#)
[D102J12S205QA](#) [D102J12S215DQA](#) [D102J12S215HQA](#) [D102J12S217DQA](#) [D102J12S2APQA](#) [D103J12S205QA](#)
[D105J12B205NQA](#) [D105J12S205HQA](#) [D108J12S205QA](#) [D201J12S205QA](#) [D201J12S215DQA](#) [D201J13S205PQA](#)
[D202J12S202PQA](#) [D202J12S202PQF](#) [D202J12S205NQA](#) [D202J12S215PQA](#) [D203J12S205QA](#) [D501J12S205QA](#)
[D501J12S206HQA](#) [D501J12S2AQA](#) [D502J11S215DQA](#) [D502J12S205DQA](#) [D502J12S205PQA](#) [D502J12S205QA](#)
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[D602J13S205DQA](#) [D102J12B215DQA](#) [D105J12B205QA](#) [D502J12G215PQA](#) [D508J12S105QA](#)