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 Ω 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.

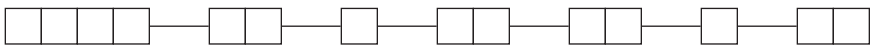
STATIONARY CONTACTS AND TERMINALS: Copper or brass, silver plated.

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 G–62 through G–65. 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** Wirable quick connect

Actuator Markings
- **NONE** No marking
- **D** ON-OFF
- **H** O I
- **N** Large dot
- **P** O –
- **R** Red rectangle on end
- **U** Large dot on end

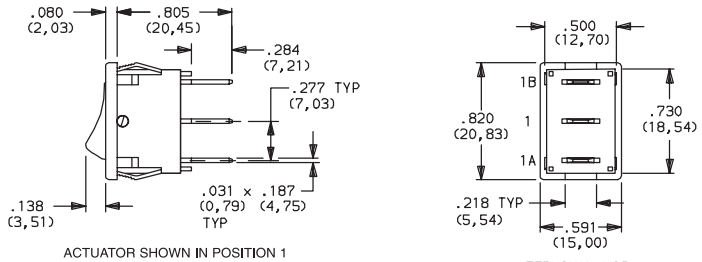
Contact Material
- **QA** Silver (UL/CSA)
- **QF** Silver (UL/CSA/VDE)

D Series
Miniature Snap-in Power Rocker Switches

SWITCH FUNCTION

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	SWITCH FUNCTION POS. 3	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	CONNECTED TERMINALS POS. 3	SCHEMATIC
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			OPEN		SPDT
	D105	4	MOM.	OFF	MOM.				
	D108 D508	4 10	MOM.	NONE	ON		N/A		

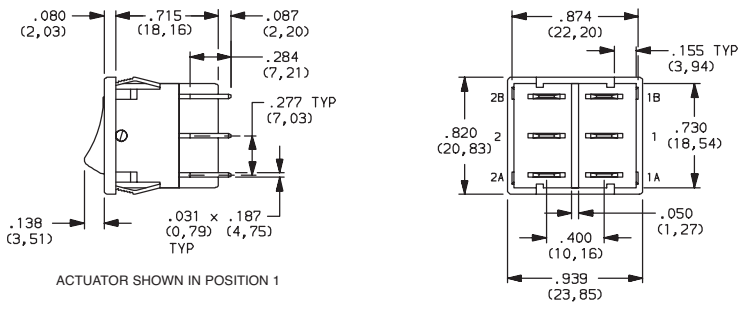
SPDT



Part number shown: D101J12S215QA

NO. POLES	MODEL NO.	AMP RATING*	SWITCH FUNCTION POS. 1	SWITCH FUNCTION POS. 2	SWITCH FUNCTION POS. 3	CONNECTED TERMINALS POS. 1	CONNECTED TERMINALS POS. 2	CONNECTED TERMINALS POS. 3	SCHEMATIC
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		DPDT
	D608	10	MOM.	NONE			N/A		

DPDT



Part number shown: D201J12S215QA

MOM. = Momentary

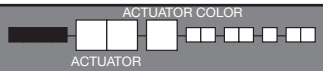
*AMP RATING: D10X and D20X models: 4 AMPS @ 125 V AC; 2 AMPS @ 250 V AC. D50X and D60X models: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC.

All models . DX01, DX02 models also available with . See CONTACT MATERIALS, page G-65.

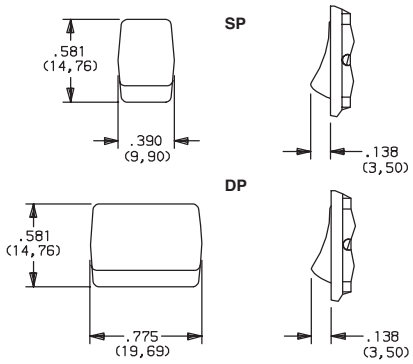
Third Angle Projection

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

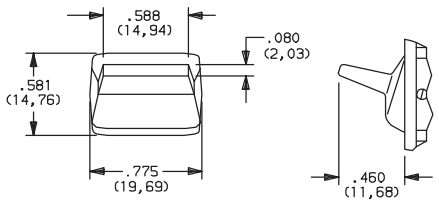
ACTUATOR



J1 ROCKER



J5 LEVER

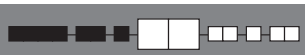


'J5' actuator available only with DP models D201, D202, D601 and D602.

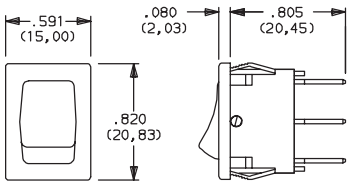
OPTION CODE	ACTUATOR COLOR
2	BLACK
1	WHITE
3	RED

NOTE: Actuator finish: matte. Other colors available, consult Customer Service Center.

MOUNTING STYLE/COLOR



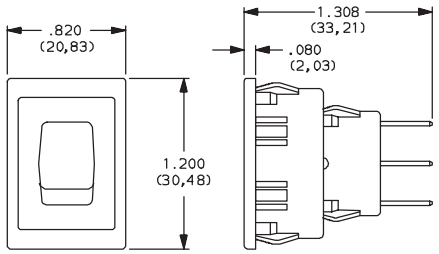
S SNAP-IN



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

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

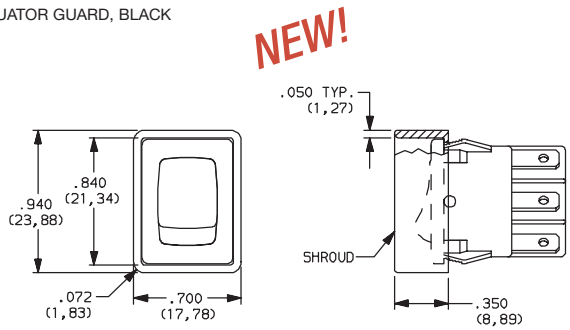
B2 RECESSED SNAP-IN ACTUATOR GUARD, BLACK



NOTE: Vertical mount, SP models only.

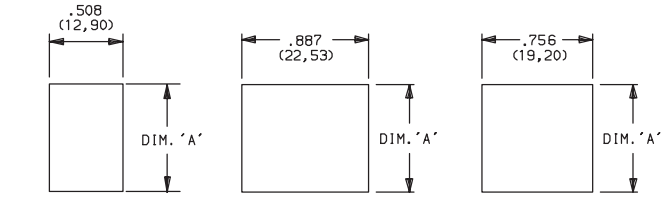
G2 ACTUATOR GUARD, BLACK

NEW!



NOTE: Vertical mount, SP models only.

PANEL MOUNTING



SP MODELS
'S' & 'G2' mounting styles

DP MODELS
'S' mounting style

SP MODELS
'B2' mounting style

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-65.

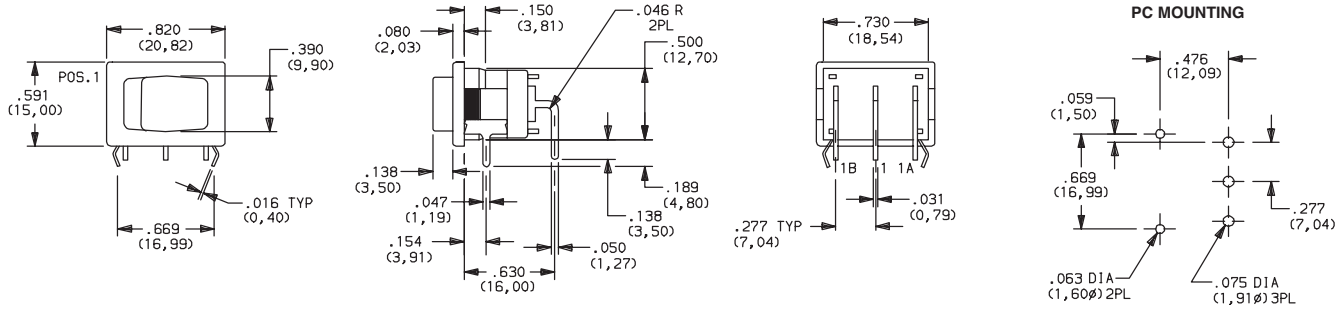
Third Angle Projection

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

D Series
Miniature Snap-in Power Rocker Switches

TERMINATIONS

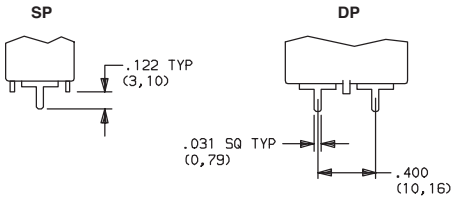
A RIGHT ANGLE, PC THRU-HOLE



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

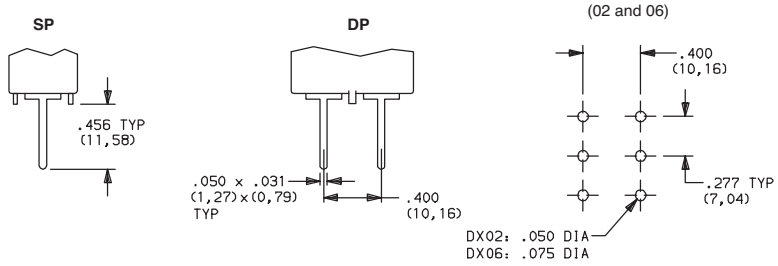
TERMINATIONS

02 PC THRU-HOLE



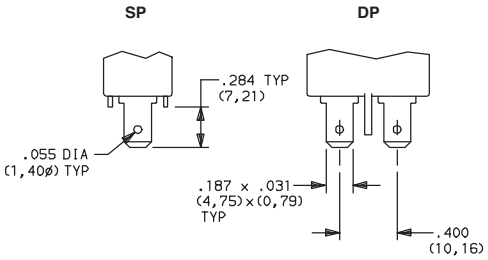
Available with DX01 and DX02 models only.

06 EXTENDED PC THRU-HOLE



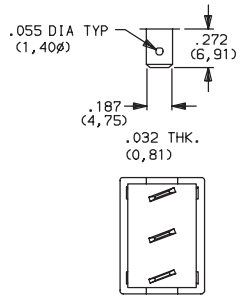
Available with DX01 and DX02 models only.

15 QUICK CONNECT



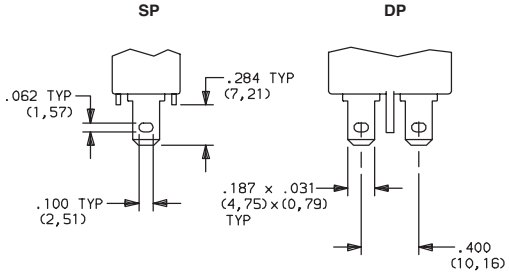
Available with DX01 and DX02 models only.

05 TWISTED QUICK CONNECT



NOTE: Terminals are twisted.

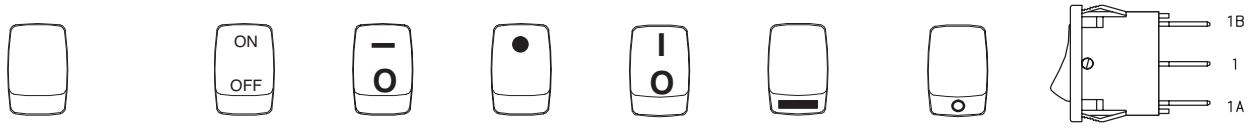
17 WIRABLE QUICK CONNECT



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



'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.

Third Angle Projection

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

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).

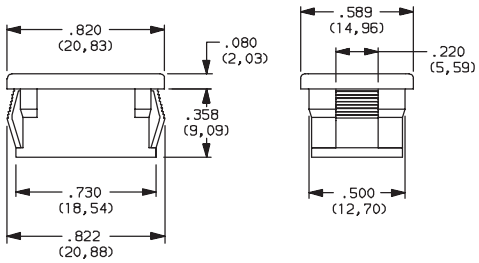
[1]MOVABLE CONTACT: D10X and D20X MODELS: Copper, silver plated.
D50X and D60X MODELS: Coin silver, silver plated.
STATIONARY CONTACTS & TERMINALS: Copper or brass, silver plated.

All models with all options. DX01, DX02 models when ordered with 'QF'contact material.

AVAILABLE HARDWARE

Insert
SP Only





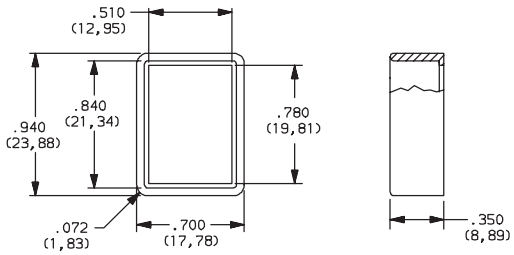
PART NO.
057190200 BLACK
Material: Nylon 6/6
Finish: Matte

Recessed Actuator Guard,
SP Only



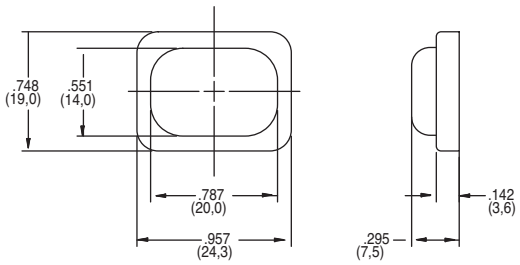
599D02000 BLACK
Material: 6/6 Nylon
Finish: Matte

Actuator Guard



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

PART NO.
216C00000 IP65 SPLASH PROOF RUBBER BOOT



Third Angle Projection

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