Features/Benefits

- *Nice actuator styling with multiple options*
- *Guards to prevent accidental actuation*
- *Momentary and maintained functions*
- *IP65 splash proof rubber boot option*
- *RoHS compliant*

Typical Applications

- *Small appliances*
- *Computers and peripherals*
- *Medical instrumentation*

Specifications

CONTACT RATING:
  UL/CSA: 16 AMPS @ 125 VAC, 1/3 HP;
  10 AMPS @ 250 VAC, 1/2 HP.
  VDE: 10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC.
ELECTRICAL LIFE: 10,000 make and break cycles at full load.
INSULATION RESISTANCE: $10^8 \ \Omega$ min.
DIELECTRIC STRENGTH: 1,500 VRMS @ sea level.
OPERATING TEMPERATURE: -20ºC to +85ºC

Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, matte finish.
ILLUMINATED ACTUATOR: Polycarbonate, matte finish.
CENTER CONTACTS: Silver plated, copper alloy.
END CONTACTS: Silver plated $AgSn0_2In0_3$.
ALL TERMINALS: Silver plated, copper alloy.

NOTE: Specifications and materials listed above are for switches with standard options. 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 H-58 through H-60. For additional options not shown in catalog, consult Customer Service Center.

Switch Function
DA101 SPDT On-None-On
DA102 SPST On-None-Off
DA103 SPDT On-Off-On
DA12 * SPST On-None-Off

Actuator
J1 Rocker
J2 Two-tone rocker
J3 Illuminated rocker
J4 Circle, illuminated rocker
J5 Oval, illuminated rocker

Actuator Color
1-5 See Chart on Page H-59
R Red, illuminated
A Amber, illuminated
G Green, illuminated

Mounting Style/Color
S2 Snap-in, black
S1 Snap-in, white
B2 Recessed snap-in bracket, black
G2 Guard, black

Termination
15 .187" quick connect
17 Solder lug
02 Thru-hole
A Right angle

Actuator Marking
(NONE) No marking
D ON-OFF
H "O I" - international ON-OFF
N Large dot
P "O -" international ON-OFF

Contact Rating
QF Silver

Lamp Rating
(NONE) No lamp
6 LED
7 125 VAC neon
8 250 VAC neon

* DA12 — for switches with both marking and illumination

Rocker

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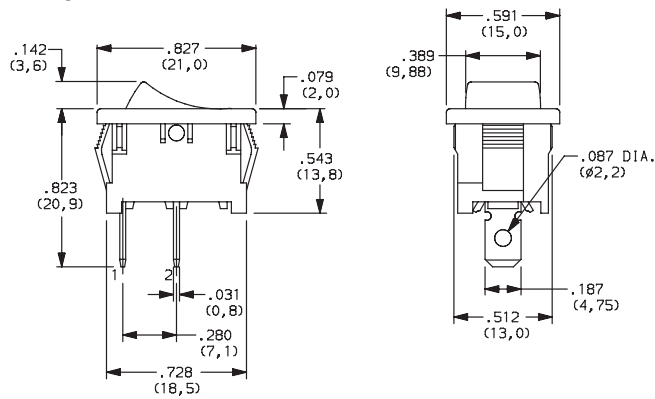Specifications and dimensions subject to change

H

DA Series
Miniature Single Pole Rocker Switches

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS			SCHEMATIC
		C&K marking on opposite side			C&K marking on opposite side			
SP	**DA101**	ON	NONE	ON	2-3	N/A	2-1	1 2 3
	DA102	ON	NONE	OFF				1 2 OR 1 2 3 For 7 & 8 Illuminated Versions Only
	DA103	ON	OFF	ON				1 2 +− For 6 Illuminated Versions Only
	DA12 *	ON	NONE	OFF				

* DA12 - for switches with both marking and illumination

.142 (3,6) .827 (21,0) .079 (2,0) .543 (13,8) .823 (20,9) .031 (0,8) .280 (7,1) .728 (18,5)

.591 (15,0) .389 (9,88) .087 DIA. (Ø2,2) .187 (4,75) .512 (13,0)

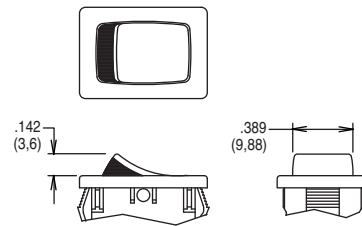Shown in Pos. 1

J1 ROCKER

J3 ILLUMINATED ROCKER

.142 (3,6) .389 (9,88)
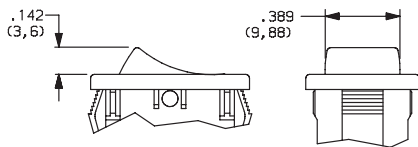
NOTE: J3 actuator available with DA102 & DA12 switch functions, 7&8 lamp ratings and not available with O2 and A termination options.
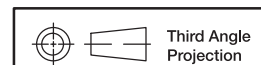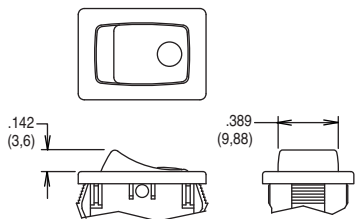
J2 TWO-TONE ROCKER

.142 (3,6) .389 (9,88)

NOTE:

1. Available with DA102 switch function only.
2. Available with None or P actuator marking options only.

Third Angle Projection

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

Rocker

H

C&K

ACTUATOR

J4 CIRCLE, ILLUMINATED ROCKER

.142 (3,6)   .389 (9,88)

NOTE: Available with DA102 switch function and 7 & 8 lamp ratings combinations only. Not available with O2 and A termination options.

J5 OVAL, ILLUMINATED ROCKER

.142 (3,6)   .389 (9,88)
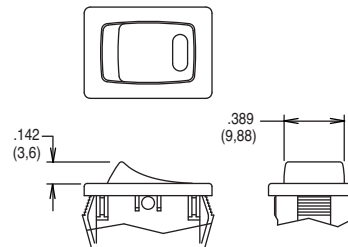
NOTE: Available with DA102 switch function and 6 lamp rating combinations only. Not available with O2 and A termination options.

ACTUATOR COLOR

	OPTION CODE	ACTUATOR COLOR
For J1only	**2**	BLACK
	1	WHITE
	3	RED
For J3, J4, J5 only	**R**	RED, ILLUMINATED
	A	AMBER, ILLUMINATED
	G	GREEN, ILLUMINATED

OPTION CODE	ACTUATOR COLOR	
	TOP	BOTTOM
1	WHITE	RED
2	WHITE	BLACK
3	RED	WHITE
4	BLACK	WHTE
5	BLACK	RED

J2 actuator only

MOUNTING STYLE/COLOR

S2 SNAP-IN, BLACK

S1 SNAP-IN, WHITE

.827 (21,0)   .591 (15,0)   .079 (2,0)   .543 (13,8)   .512 (13,0)   .728 (18,5)

1   2
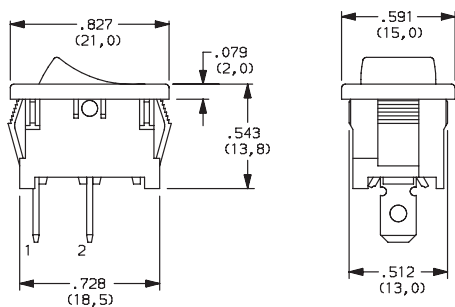
Actuator shown in Pos. 1

G2 GUARD, BLACK

.350 (8,89)   .940 (23,88)   .700 (17,78)   1.064 (27,03)
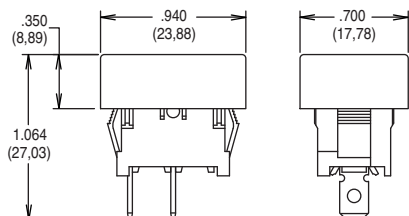
NOTE: Available with DA10X switch functions only.

B2 RECESSED SNAP-IN BRACKET, BLACK

.080 (2,03)   1.200 (30,48)   .820 (20,83)   1.244 (31,60)
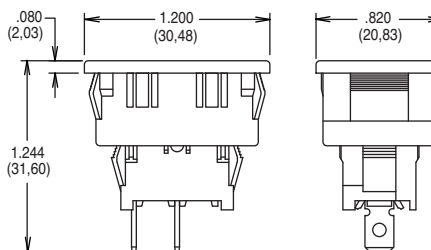
NOTE: Available with DA10X switch functions only.

S2, S1 & G2 PANEL MOUNTING

'Y'   'X'
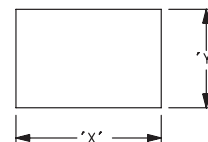
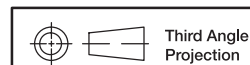| PANEL THICKNESS	"X"	"Y"
0.030-0.049 (0,75-1,25)	0.756-.004 (19,2-0,1)	0.512+.004 (13,0+0,1)
0.049-0.079 (1,25-2,0)	0.764-.004 (19,4-0,1)	0.512+.004 (13,0+0,1)
0.079-0.118 (2,0-3,0)	0.779-.004 (19,8-0,1)	0.512+.004 (13,0+0,1)

B2 PANEL MOUNTING

.756 (19,20)   DIM."Y"
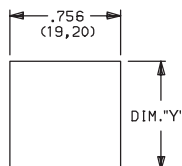
PANEL THICKNESS	"Y"
0.030-0.049 (0,75-0,25)	1.068 (27,13)
0.049-0.079 (1,25-2,0)	1.076 (27,33)
0.079-0.118 (2,0-3,0)	1.092 (27,74)

Third Angle Projection

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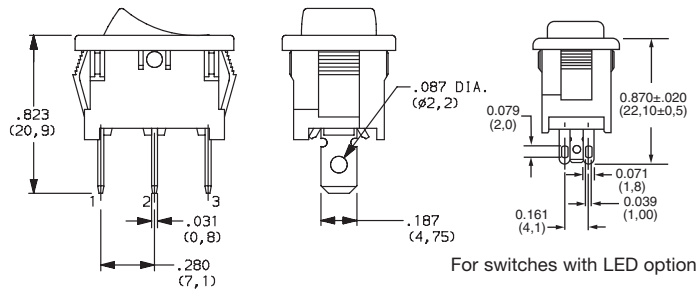Specifications and dimensions subject to change

Rocker

H

DA Series
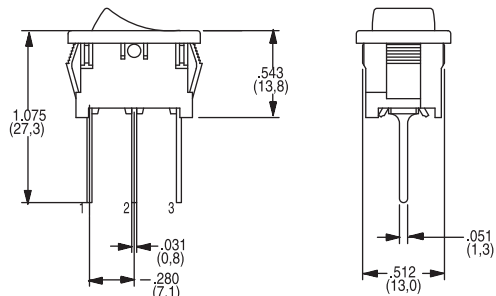# Miniature Single Pole Rocker Switches

TERMINATION

15 .187" QUICK CONNECT

.823 (20,9)
.031 (0,8)
.280 (7,1)
1 2 3

.087 DIA. (Ø2,2)
.187 (4,75)

For switches with LED option

.079 (2,0)
0.161 (4,1)
0.071 (1,8)
0.039 (1,00)

.870±.020 (22,10±0,5)

17 SOLDER LUG

.669 (17,0)
.024 (0,6)
.268 (6,8)

.098 DIA. (Ø2,5)
.059 (1,5)
.110 (2,8)

02* THRU-HOLE

1.075 (27,3)
.543 (13,8)
.031 (0,8)
.280 (7,1)
1 2 3
.512 (13,0)
.051 (1,3)

A* RIGHT ANGLE

.543 (13,8)
1 2
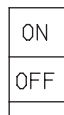.031 (0,8)
.280 (7,1)

.630 (16,0)
.051 (1,3)
.138 (3,5)
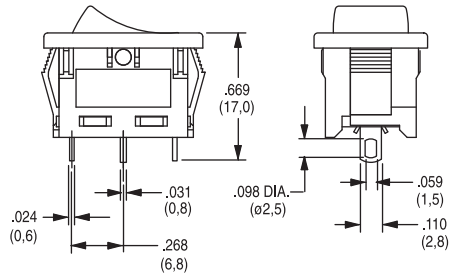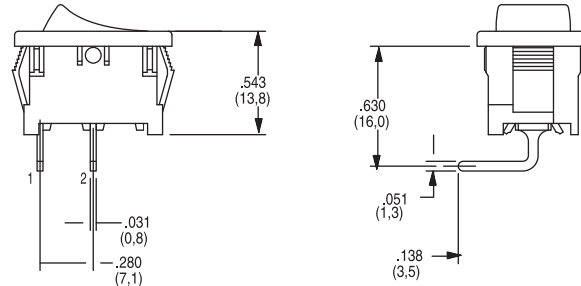
* NOTE - O2 and A termination options not offered with J3, J4 or J5 actuator options.

ACTUATOR MARKING

NONE NO MARKING

D ON-OFF
ON
OFF

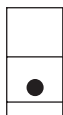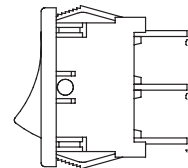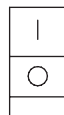**H** O I
—
○
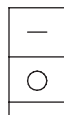
N LARGE DOT
●

P O -
|
○

All models shown in Pos. 1

NOTE: Orientation of actuator marking and terminals.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
QF	SILVER	POWER	16 AMPS @ 125 VAC; 1/3 HP; 10 AMPS @ 250 VAC; 1/2 (UL/CSA). 10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC (VDE)

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

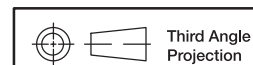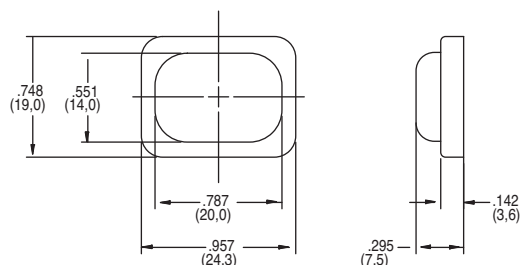## LAMP RATING

(NONE) NO LAMP

6 LED RATING @ 10 mA V_f=1.85V

7 125 VAC 33kΩ NEON

8 250 VAC 150kΩ NEON

ACCESSORIES

216C00000 IP65 SPLASH PROOF RUBBER BOOT

.748 (19,0)
.551 (14,0)
.787 (20,0)
.957 (24,3)
.142 (3,6)
.295 (7,5)

Third Angle Projection

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

Rocker

H

C&K