

# DA Series Miniature Single Pole Rocker Switches

## 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



**UL** **US** **UL 61058-1**

## Specifications

### CONTACT RATING:

- 16 AMPS @ 125 VAC, 1/3 HP;
- 10 AMPS @ 250 VAC, 1/2 HP.
- 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: -20°C to +85°C

## Materials

HOUSING AND ACTUATOR: 6/6 nylon (UL94V-2), black, matte finish.

ILLUMINATED ACTUATOR: Polycarbonate, matte finish.

CENTER CONTACTS: Silver plated, copper alloy.

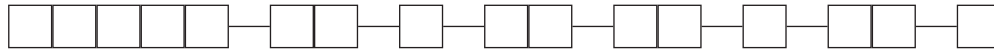
END CONTACTS: Silver plated.

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 G-57 through G-59. 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

### 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 G-59
- \*R** Red, illuminated
- \*A** Amber, illuminated
- \*G** Green, illuminated

\* Actuator "J3" illuminated switches are not available with actuator markings

\*\* Actuator "J3", "J4" and "J5" are not available with Termination option "17" solder lug

### 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

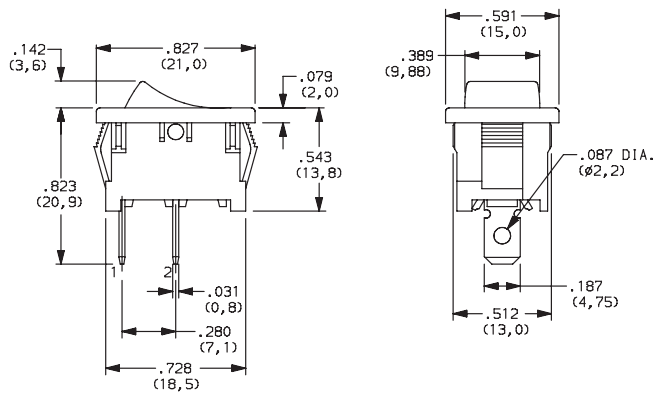
### Lamp Rating

- (NONE)** No lamp
- 6** LED
- 7** 125 VAC neon
- 8** 250 VAC neon

# DA Series Miniature Single Pole Rocker Switches

## SWITCH FUNCTION

| NO. POLES | MODEL NO.    | SWITCH FUNCTION              |      |     | CONNECTED TERMINALS          |     |     | SCHEMATIC                               |
|-----------|--------------|------------------------------|------|-----|------------------------------|-----|-----|---|
|           |              |                              |      |     |                              |     |     |   |
|           |              | C&K marking on opposite side |      |     | C&K marking on opposite side |     |     |   |
| SP        | <b>DA101</b> | ON                           | NONE | ON  | 2-3                          | N/A | 2-1 |   |
|           | <b>DA102</b> | ON                           | NONE | OFF |                              |     |     | <br>For 7 & 8 Illuminated Versions Only |
|           | <b>DA103</b> | ON                           | OFF  | ON  |                              |     |     | <br>For 6 Illuminated Versions Only     |

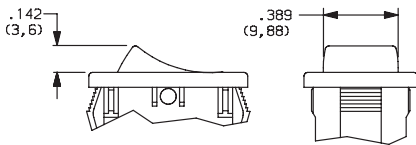


Shown in Pos. 1

## ACTUATOR

**J1** ROCKER

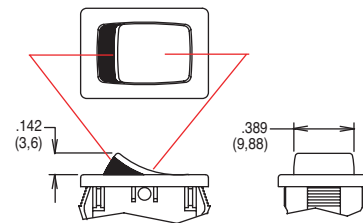
**\*J3** ILLUMINATED ROCKER



**NOTE:** J3 actuator available with DA102 switch functions, 7&8 lamp ratings and not available with O2 and A termination options.

\* J3 actuator not available with markings or Termination option "17" solder lug

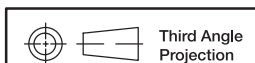
**J2** TWO-TONE ROCKER



**NOTE:**

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

Rocker



Third Angle Projection

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

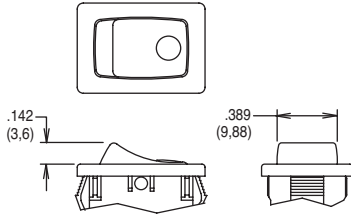


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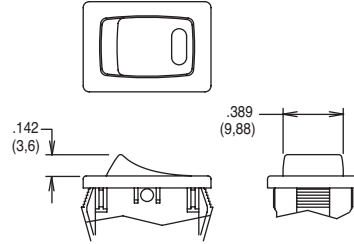
## ACTUATOR

### J4 CIRCLE, ILLUMINATED ROCKER



**NOTE:** Available with DA102 switch function and 7 & 8 lamp ratings combinations only. Not available with O2 and A termination options. \* J4 actuator not available with Termination option "17" solder lug

### J5 OVAL, ILLUMINATED ROCKER

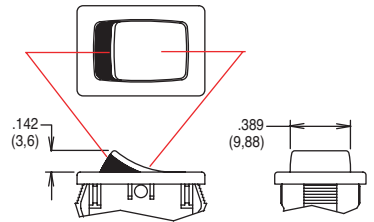


**NOTE:** Available with DA102 switch function and 6 lamp rating combinations only. Not available with O2 and A termination options. \* J5 actuator not available with Termination option "17" solder lug

## ACTUATOR COLOR

|                        | OPTION CODE | ACTUATOR COLOR     |
|------------------------|-------------|--------------------|
| <b>J1 only</b>         | <b>2</b>    | BLACK              |
|                        | <b>1</b>    | WHITE              |
|                        | <b>3</b>    | RED                |
| <b>J3, J4, J5 only</b> | <b>R</b>    | RED, ILLUMINATED   |
|                        | <b>A</b>    | AMBER, ILLUMINATED |
|                        | <b>G</b>    | GREEN, ILLUMINATED |

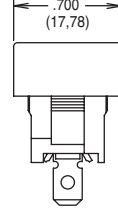
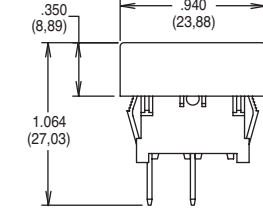
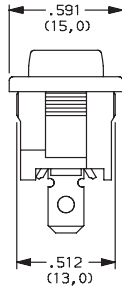
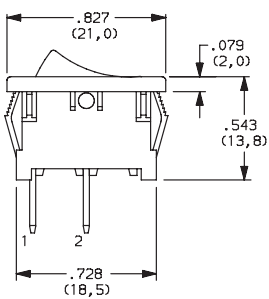
|                | OPTION CODE | ACTUATOR COLOR TOP | ACTUATOR COLOR BOTTOM |
|----------------|-------------|--------------------|-----------------------|
| <b>J2 only</b> | <b>1</b>    | WHITE              | RED                   |
|                | <b>2</b>    | WHITE              | BLACK                 |
|                | <b>3</b>    | RED                | WHITE                 |
|                | <b>4</b>    | BLACK              | WHITE                 |
|                | <b>5</b>    | BLACK              | RED                   |



## MOUNTING STYLE/COLOR

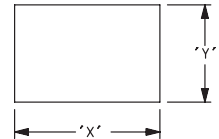
### S2 SNAP-IN, BLACK

### S1 SNAP-IN, WHITE



**NOTE:** Available with DA10X switch functions only.

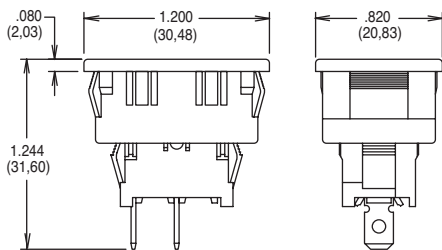
### S2, S1 & G2 PANEL MOUNTING



| 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) |

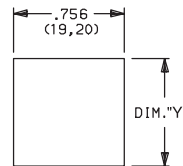
Actuator shown in Pos. 1

### B2 RECESSED SNAP-IN BRACKET, BLACK



**NOTE:** Available with DA10X switch functions only.

### B2 PANEL MOUNTING



| 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) |



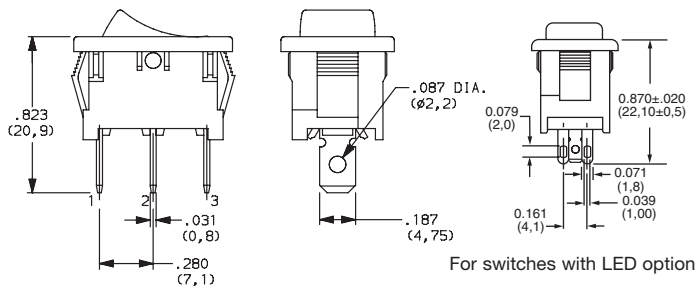
Dimensions are shown: Inches (mm)  
Specifications and dimensions subject to change



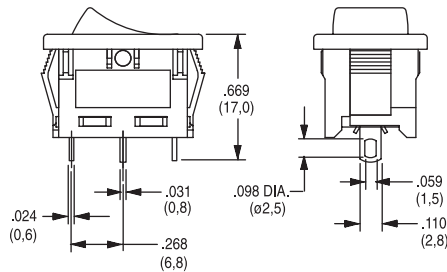
# DA Series Miniature Single Pole Rocker Switches

## TERMINATION

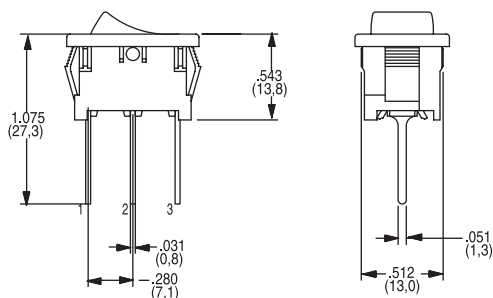
### 15 .187" QUICK CONNECT



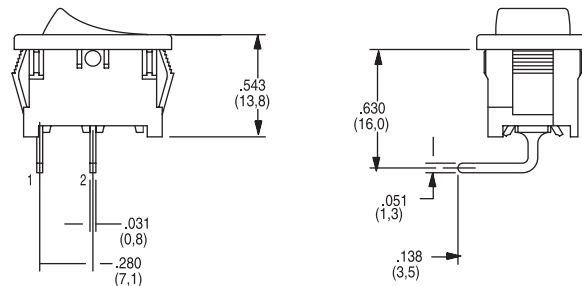
### 17 SOLDER LUG



### 02\* THRU-HOLE



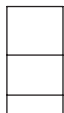
### A\* RIGHT ANGLE



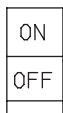
\* NOTE - O2 and A termination options not offered with J3, J4 or J5 actuator options.

## ACTUATOR MARKING

### NONE NO MARKING



### D ON-OFF



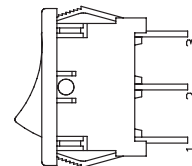
### H O I



### N LARGE DOT



### P O -



All models shown in Pos. 1  
Markings not available with J3 actuator

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<br>10 AMPS @ 125 VAC, 6 AMPS @ 250 VAC |

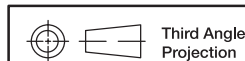
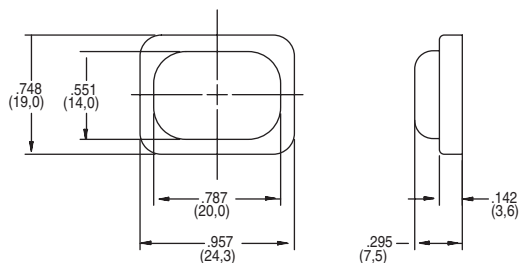
\* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

## 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



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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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