# C&K 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***



## 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: $10^8$ Ω 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 $AgSn0_2In0_3$.
ALL TERMINALS: Silver plated, copper alloy.

**NOTE:** For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

**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-61. 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**
- **2** Black
- **1** White
- **3** Red
- **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

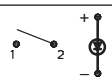
**Contact Rating**
- **QF** Silver

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

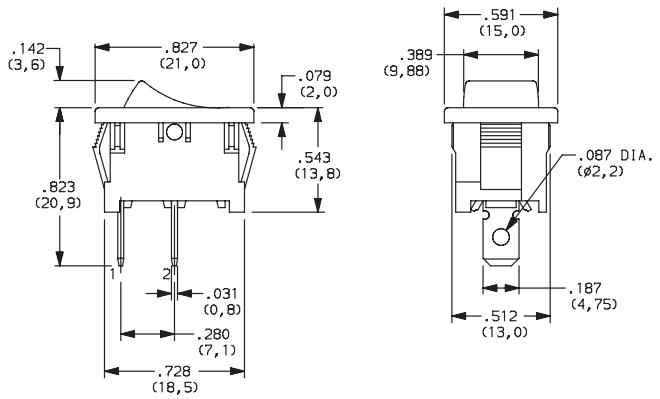
* DA12 — for switches with both marking and illumination

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## SWITCH FUNCTION

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

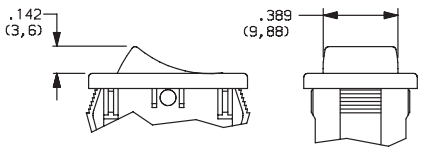
* DA12 - for switches with both marking and illumination




## ACTUATOR

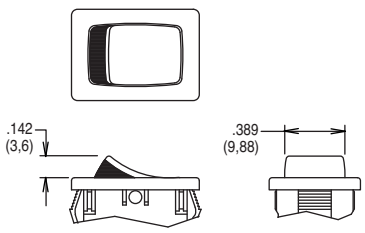
**J1** ROCKER

**J3** ILLUMINATED ROCKER




**NOTE:** J3 actuator available with DAX02 switch functions only.

**J2** TWO-TONE ROCKER



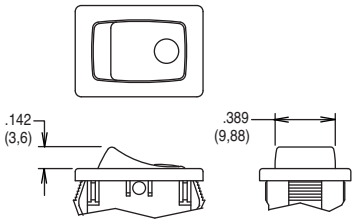

**NOTE:** Available with DA102 switch function and P actuator marking only.

Third Angle Projection

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

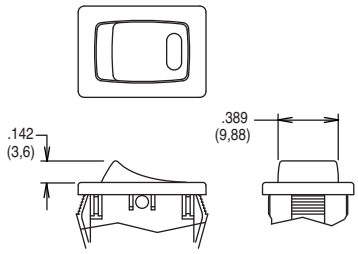
## ACTUATOR

### J4 CIRCLE, ILLUMINATED ROCKER




**NOTE:** Available with DA102 switch function and 7 & 8 lamp ratings only.

### J5 OVAL, ILLUMINATED ROCKER




**NOTE:** Available with DA102 switch function and 6 lamp rating only.

## ACTUATOR COLOR

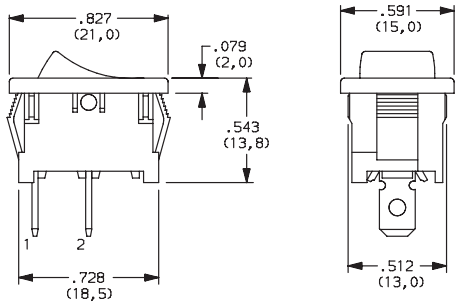
| | OPTION CODE | ACTUATOR COLOR |
|---|---|---|
| For J1only | 2 | BLACK |
| | 1 | WHITE |
| | 3 | RED |
| For J3, J4, J5 only | R | RED, ILLUMINATED |
| | A | AMBER, ILLUMINATED |
| | G | GREEN, ILLUMINATED |

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

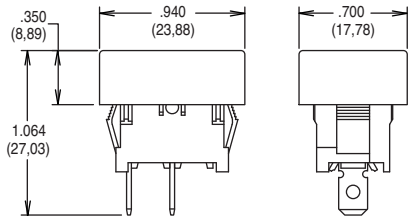
J2 actuator only

## MOUNTING STYLE/COLOR

### S2 SNAP-IN, BLACK
### S1 SNAP-IN, WHITE

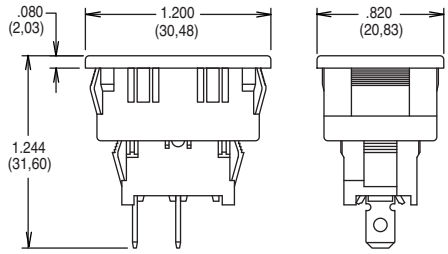



### G2 GUARD, BLACK



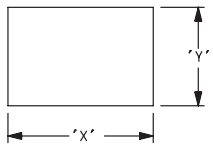

**NOTE:** Available with DA10X switch functions only.

### B2 RECESSED SNAP-IN BRACKET, BLACK



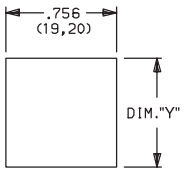

**NOTE:** Available with DA10X switch functions only.

**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) |

**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) |

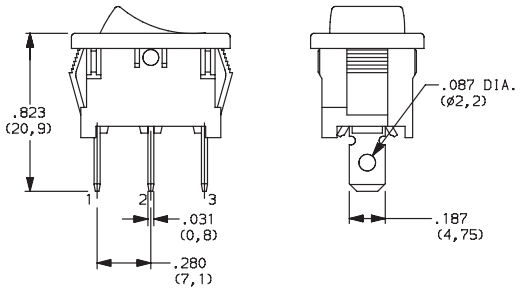
Third Angle Projection

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

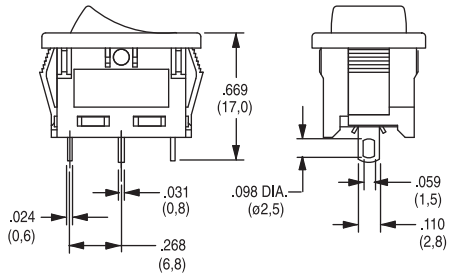
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## TERMINATION

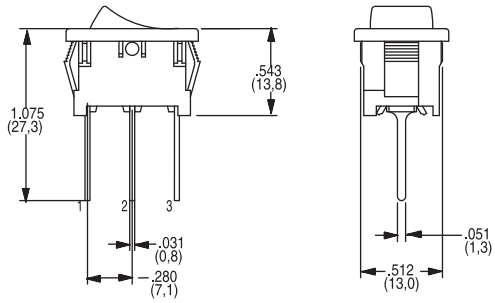
**15** .187" QUICK CONNECT



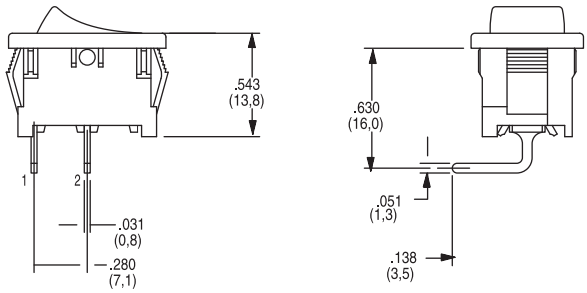

**17** SOLDER LUG




**02** THRU-HOLE

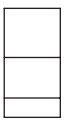



**A** RIGHT ANGLE

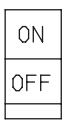



## ACTUATOR MARKING

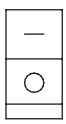
**NONE** NO MARKING



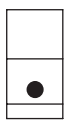
**D** ON-OFF



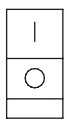

**H** O I

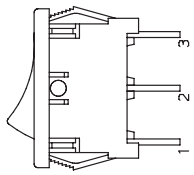


**N** LARGE DOT



**P** O -






**NOTE:** Orientation of actuator marking and terminals.

## CONTACT MATERIAL

| OPTION CODE | RoHS COMPLIANT * | RoHS COMPATIBLE * | CONTACT AND TERMINAL MATERIAL | RATINGS | |
|---|---|---|---|---|---|
| QF | YES | YES | 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

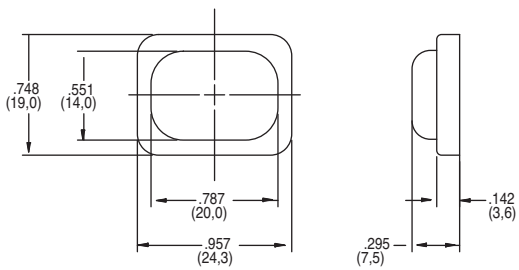
**6** LED RATING @ 10 mA $V_f$=1.85V

**7** 125 VAC 33kΩ NEON

**8** 250 VAC 150kΩ NEON

## ACCESSORIES

**216C00000** IP65 SPLASH PROOF RUBBER BOOT




Third Angle Projection

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