## Features/Benefits

- Power ratings up to 10 AMPS
- Double pole models
- Locking lever options available
- Wide variety of actuator styles RoHS compliant and compatible



Models Available

## Specifications

#### CONTACT RATING: 9201 Model: 6 AMPS @ 120 V AC or 28 V DC; 3 AMPS @ 250 V AC. 9221 Model: 10 AMPS @ 125 V AC or 28 V DC; 5 AMPS @ 250 V AC.

- ELECTRICAL LIFE: 25,000 make-and-break cycles at full load.
- CONTACT RESISTANCE: Below 10 m Ω typ. initial @ 2-4 V DC, 100 mA.

INSULATION RESISTANCE:  $10^9 \ \Omega$  min.

DIELECTRIC STRENGTH: 2,500 Vrms min. @ sea level.

OPERATING TEMPERATURE: -30°C to 85°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

NOTE: Any models supplied with Q contact material are RoHS compliant and compatible.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center

## Typical Applications

- Shut-off switch
- Small equipment



## Materials

CASE: Diallyl phthalate (DAP) (UL 94V-0). ACTUATOR: Brass, chrome plated. BUSHING: Brass or zinc, nickel plated. HOUSING: Stainless steel. SWITCH SUPPORT: Brass or steel, matte-tin plated. END CONTACTS: 9201 Model: Coin silver, silver plated. 9221 Model: Silver cadmium oxide. CENTER CONTACTS: Copper alloy, silver plated ALL TERMINALS: 9201 Model: Copper alloy, silver plated. 9221 Model: Copper alloy, matte-tin plated.

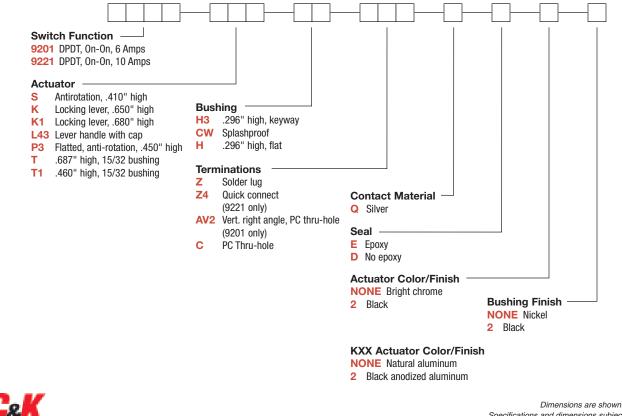
TERMINAL SEAL: Epoxy.

HARDWARE: Nut & Locking ring: Brass, nickel plated. Lockwasher: Steel, nickel plated.

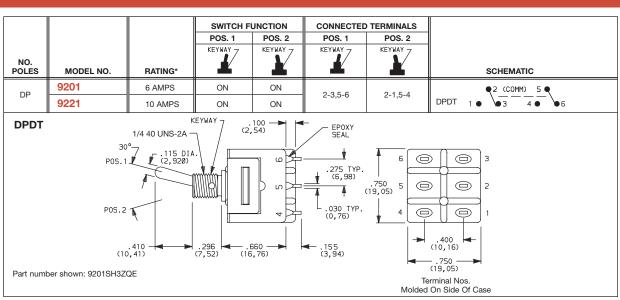
## **Build-A-Switch**

oggle

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages G-49 thru G-53. For additional options not shown in catalog, consult Customer Service Center.



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\* See CONTACT MATERIAL, page G-52, for complete ratings.

All 9000 Series models meet international dimensional and electrical requirements. R

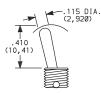
**T1** 

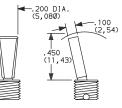
SWITCH FUNCTION

9221 model must be ordered with Z4 terminations and D seal option.

#### 

- S ANTIROTATION, .410" HIGH
- P3 FLATTED, ANTIROTATION, .450" HIGH





.460" HIGH, 15/32 BUSHING

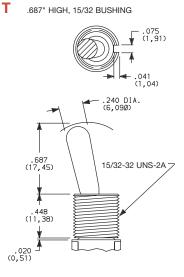
.075

| OPTION<br>CODE | ACTUATOR FINISH                             |
|----------------|---|
| NONE           | NATURAL ALUMINUM—With Nickel Plated Bushing |
| 2              | BLACK                                       |

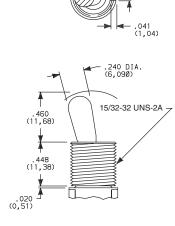
**NOTE:** Black hardware is supplied when either black actuators or bushings are specified. All hardware is available separately, see Section O.

Antirotation is standard on all actuators, provides 'anti-push-in' feature on actuator.

#### Dress nut part number: 709901201 supplied standard with P3 actuator.







| OPTION<br>CODE | ACTUATOR FINISH                          |  |  |  |
|----------------|--|--|--|--|
| NONE           | BRIGHT CHROME—With Nickel Plated Bushing |  |  |  |
| 2              | BLACK                                    |  |  |  |
| <br>           | •  |  |  |  |

**NOTE:** Bushing option code not required for T & T1 actuators unless CW splashproof bushing ordered.

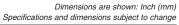
Black hardware is supplied when either black actuators or bushings are specified. All hardware is available separately, see Section O.

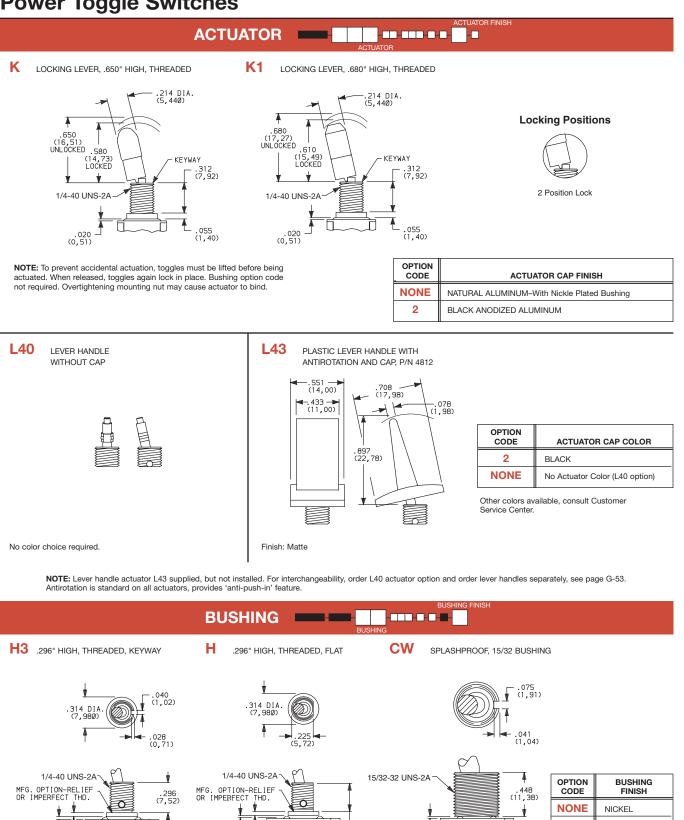
Antirotation is standard on all actuators except T & T1, provides 'anti-push-in' feature on actuator.

|             | Third Angle |
|-------------|-------------|
| $\Psi \Box$ | Projection  |

G

Toggle





Will withstand 12 in./lbs. of torque with no distortion.

.020

For T & T1 actuators only.

Internal actuator seal standard. External

bushing seal washer available separately, order from: Multi-Flex Seals, Inc., Hackensack, NJ. Part number: MFS-60064.

.020 (0,51)

**NOTE:** Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Black hardware is supplied when either black bushings or actuators are specified. Optional mounting nut and locking ring styles and finishes available, see Section O.



.020

.040

(1,02)

G

Toggle

Dimensions are shown: Inch (mm)

2

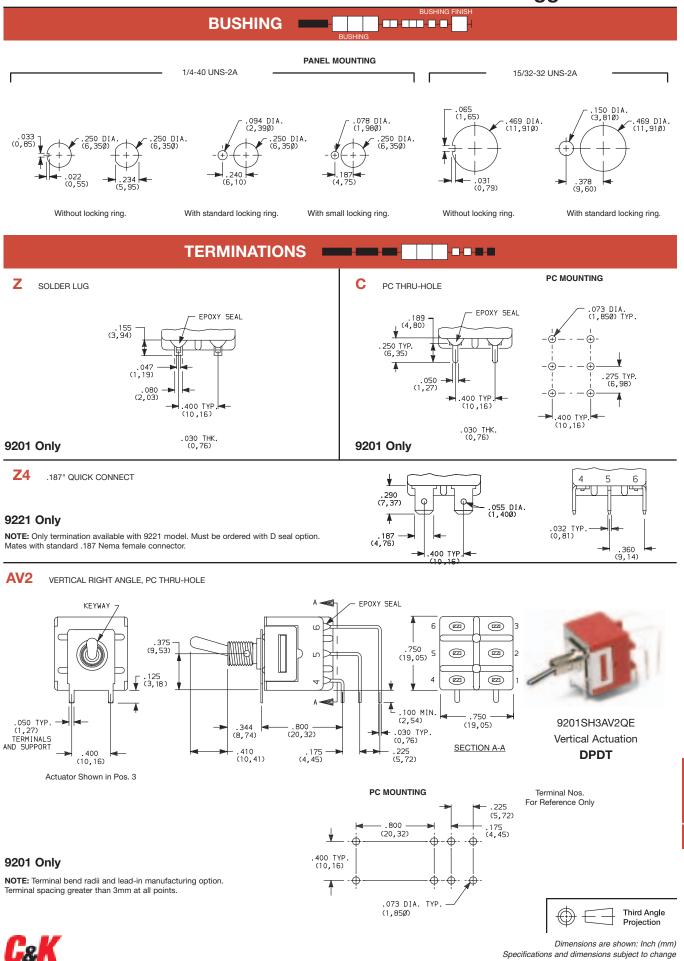
Specifications and dimensions subject to change

Third Angle

BLACK

.296 (7,52)

.040 (1,02)



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G

Toggle

| OPTION<br>CODE | MODEL | CONTACT MATERIAL           | TERMINAL<br>PLATING | RATINGS |  |  |  |  |  |
|----------------|-------|----------------------------|---------------------|---------|--|--|--|--|--|
|                | 9201  | SILVER 1,2                 | SILVER OR TIN 2,5   | POWER   | 6 AMPS @120 V AC OR 28 V DC; 3 AMPS @ 250 V AC.  |  |  |  |  |
| Q              | 9221  | SILVER CADMIUM OXIDE 3,4,6 | TIN <sup>5</sup>    |         | 10 AMPS @125 V AC OR 28 V DC; 5 AMPS @ 250 V AC. |  |  |  |  |

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

<sup>1</sup> END CONTACTS: Coin silver, silver plated.

- <sup>2</sup> CENTER CONTACTS & ALL TERMINALS: Copper alloy, silver plated.
- <sup>3</sup> END CONTACTS: Silver cadmium oxide.

G

**Foggle** 

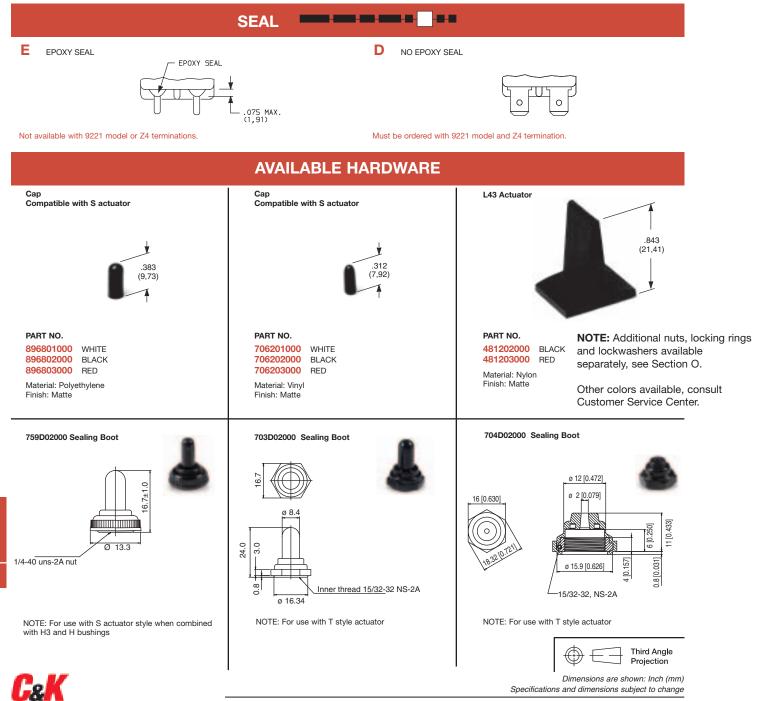
- <sup>4</sup> CENTER CONTACTS: Copper alloy, silver plated.
- <sup>5</sup> Z4 TERMINALS ONLY: Copper alloy, matte-tin plated.

<sup>6</sup> Cadmium in electrical switch contacts is exempt from RoHS.

#### NOTE: Any models supplied with Q contact material are RoHS compliant.

All 9000 Series models meet international dimensional and electrical requirements. **N** 🛞 🏝

9221 model must be ordered with Z4 terminations and D seal option.



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