

c Sus ↓15 UL 61058-1

#### Specifications

CONTACT RATING: 9201 Model GP (general purpose) 6 AMPS 125 VAC 50/60 Hz T85 10,000 cycles (10E3) 3 AMPS 250 VAC 50/60 Hz T85 10,000 cycles R (resistive) 6 AMPS 30 VDC T85 10,000 cycles 9221 Model: GP (general purpose) 10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles 5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles R (resistive) 10 AMPS 30 VDC T85 10,000 cycles 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<sup>9</sup> Ω 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).

## Features/Benefits

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

#### **Typical Applications**

- Shut-off switch
- Small equipment

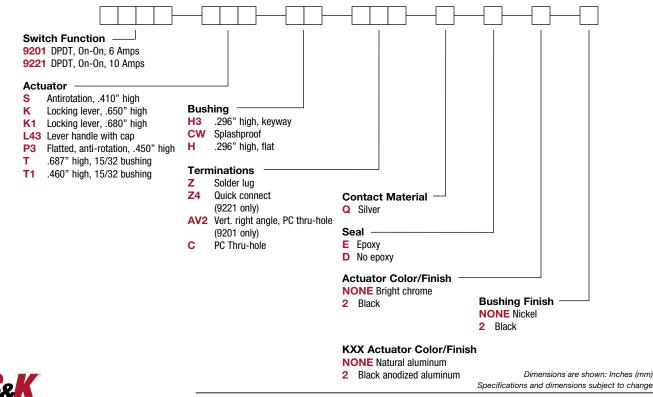
Materials
CASE: Diallyl phthalate (DAP) (UL 94V-0).
ACTUATOR: Brass, chrome plated.
BUSHING: Brass or zinc, nickel plated.
HOUSING: Stainless steel.
SWITCH SUPPORT: Brass or steel, matte-tin plated.
END CONTACTS: 9201 Model: Coin silver, silver plated. 9221 Model: Silver cadmium oxide.
CENTER CONTACTS: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

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

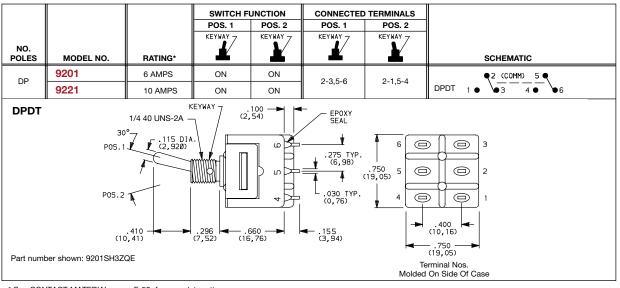
**NOTE:** Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

## **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 F-49 thru F-52. For additional options not shown in catalog, consult Customer Service Center.



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#### **SWITCH FUNCTION**

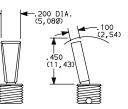
\* See CONTACT MATERIAL, page F-52, for complete ratings

All 9000 Series models meet international dimensional and electrical requirements. 9221 model must be ordered with Z4 terminations and D seal option.

ACTUATOR 

S ANTIROTATION, .410" HIGH

-.115 DIA. (2.920) .410



P3 FLATTED, ANTIROTATION, .450" HIGH

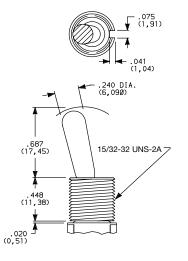
OPTION CODE	ACTUATOR FINISH
NONE	NATURAL ALUMINUM—With Nickel Plated Bushing
2	BLACK

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

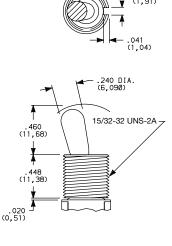
Antirotation is standard on all actuators, provides 'anti-push-in' feature on actuator.

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

Т .687" HIGH, 15/32 BUSHING



1.460" HIGH, 15/32 BUSHING .075

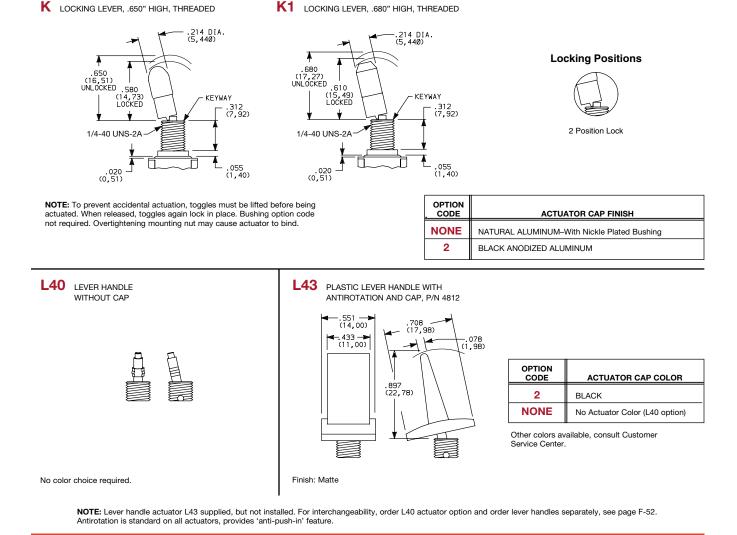


OPTION CODE	ACTUATOR FINISH					
NONE	BRIGHT CHROME—With Nickel Plated Bushing					
2	BLACK					
splashproo Black hard	hing option code not required for T & T1 actuators unless CW f bushing ordered. ware is supplied when either black actuators or bushings are II hardware is available separately, see Section N.	F				
specified. A		Toggl				





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



ACTUATOR

LUATOR FINISH

BUSHING CW SPLASHPROOF, 15/32 BUSHING H3 .296" HIGH, THREADED, KEYWAY H .296" HIGH, THREADED, FLAT .075 .040 (1,02) 314 DIA. (7,980) .314 DIA (7,980) 4 .041 (1,04) .028 (0,71) (5 72) 1/4-40 UNS-2A 1/4-40 UNS-2A 15/32-32 UNS-2A ¥ OPTION BUSHING MFG. OPTION-RELIEF OR IMPERFECT THD. MFG. OPTION-RELIEF OR IMPERFECT THD. .448 CODE FINISH .296 NONE NICKEL 2 BLACK .020 .020 .020 .296 .040 .040 (1,02) Will withstand 12 in./lbs. of torque with no distortion. For T & T1 actuators only. NOTE: Two mounting nuts, locking ring and lockwasher supplied standard with threaded bushings. Internal actuator seal standard. External Black hardware is supplied when either black bushings or actuators are specified. Optional mounting bushing seal available separately from nut and locking ring styles and finishes available, see Section N. APM Hexseal, part # MFS-60064. Third Anale



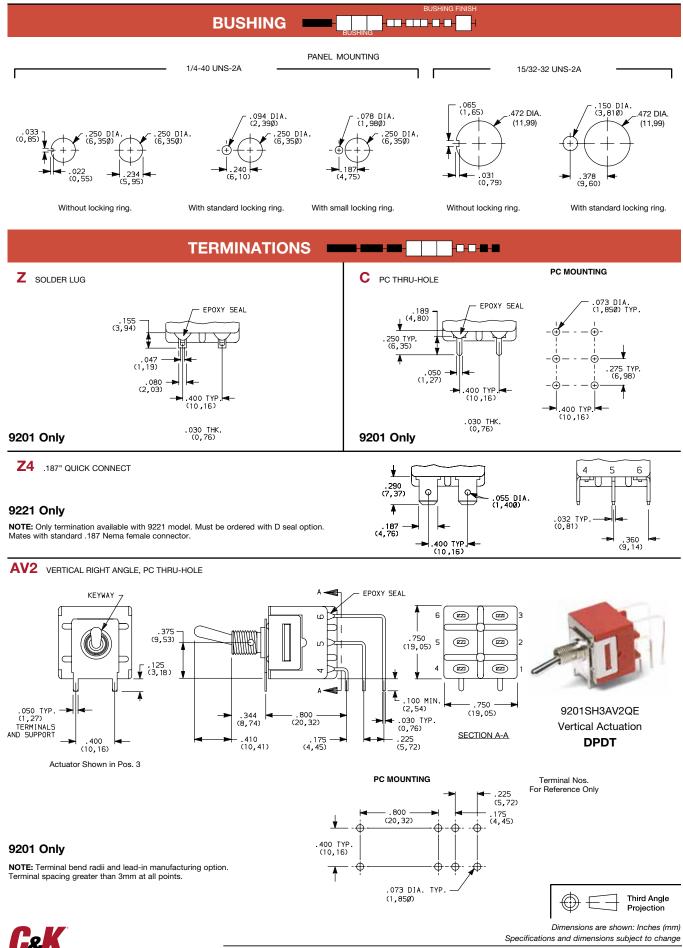
Toggle



Specifications and dimensions subject to change

Dimensions are shown: Inches (mm)

Projection



Specifications and dimensions subject to change

F Toggle

OPTION CODE	MODEL	CONTACT MATERIAL	TERMINAL PLATING	RATINGS			
	9201	SILVER <sup>1,2</sup>	SILVER OR TIN <sup>2,5</sup>	<ul> <li>GP (general purpose) 6 AMPS 125 VAC 50/60 Hz T85 10,000 cycles (10E3)</li> <li>3 AMPS 250 VAC 50/60 Hz T85 10,000 cycles</li> <li>R (resistive) 6 AMPS 30 VDC T85 10,000 cycles</li> </ul>			
Q	9221	SILVER CADMIUM OXIDE <sup>3,4,6</sup>	TIN <sup>5</sup>	GP (general purpose) 10 AMPS 125 VAC 50/60 Hz T85 10,000 cycles 5 AMPS 250 VAC 50/60 Hz T85 10,000 cycles R (resistive) 10 AMPS 30 VDC T85 10,000 cycles			

\* 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.

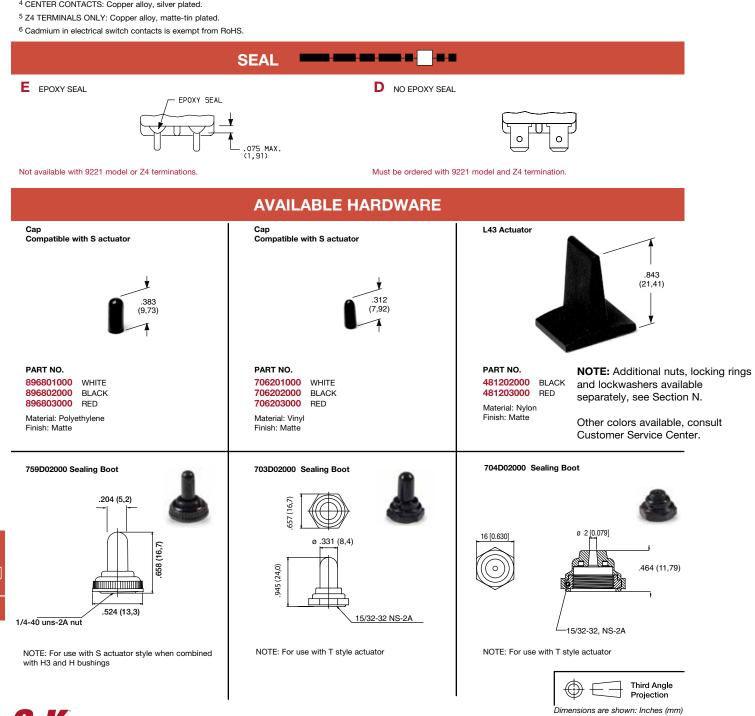
<sup>2</sup> CENTER CONTACTS & ALL TERMINALS: Copper alloy, silver plated.

<sup>3</sup> END CONTACTS: Silver cadmium oxide.

<sup>4</sup> CENTER CONTACTS: Copper alloy, silver plated.

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

c¶Us ∰15 All 9000 Series models meet international dimensional and electrical requirements. 9221 model must be ordered with Z4 terminations and D seal option.



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Toggle 4

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Specifications and dimensions subject to change