8600 Series Microminiature Pushbutton Switches

Features/Benefits

- Available with overtravel
- Normally closed models available
- Microminiature size ideal for applications where space is limited
- RoHS compliant

Typical Applications

- Detection
- Telecommunications and networking equipment
- Computers and peripherals





Specifications

Models Available

CONTACT RATING: Q contact material (8631, 8632 Models): 500 mA @ 120 V AC or 28 V DC; 250 mA @ 250 V AC; (8633 Model): 250 mA @ 120 V AC or 28 V DC; 125 mA @ 250 V AC. See page A-73 for additional ratings.

ELECTRICAL LIFE:

8631 and 8633 MODELS: 250,000 actuations at full load. 8632 MODEL: 100,000 actuations at full load.

CONTACT RESISTANCE: Below 30 m Ω typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 109 Ω min.

DIELECTRIC STRENGTH: 500 Vrms min. @ sea level. OPERATING TEMPERATURE: -30°C to 65°C.

SOLDERABILITY: Per MIL-STD-202F method 208D, or

EIA RS-186E method 9.

Materials

CASE: Glass filled phenolic or diallyl phthalate (DAP), (UL94V-0).

PLUNGER: Glass filled nylon (UL94V-0), black standard.

BUSHING: Brass, nickel plated.

CONTACTS: Q contact material: Coin silver, silver plated. See page A-73 for additional contact materials.

TERMINALS:

8631, 8632 MODELS: Copper alloy, silver plated. 8633 MODEL: Q contact material: Coin silver. See page A-73 for additional contact materials.

TERMINAL SEAL:

8633 MODEL: Epoxy.

8631, 8632 MODELS: Terminals insert molded.

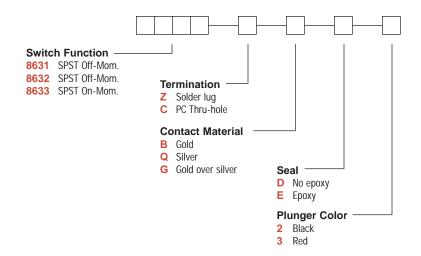
HARDWARE: Nut: Brass, nickel plated.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

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 A-72 and A-73. For additional options not shown in catalog, consult Customer Service Center.

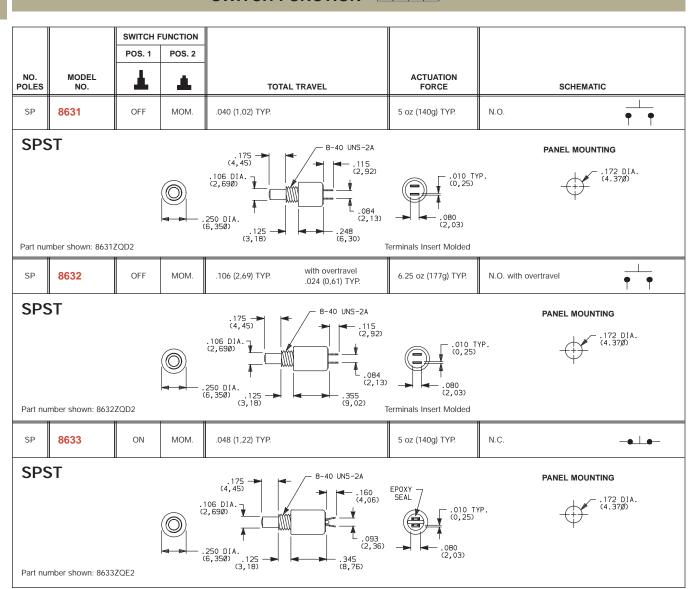






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SWITCH FUNCTION



MOM. = Momentary

NOTE: Caps available for plunger options, see page A-73.

TERMINATIONS C PC THRU-HOLE 8631, 8632 models only. 8631, 8632 models only. 8631, 8632 models only. 90 MOUNTING (1,02)



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

Projection

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CONTACT MATERIAL ---

OPTIC COD		RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
В	YES	YES	GOLD ¹	GOLD ¹	LOW LEVEL/ DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.
Q	YES	YES	SILVER ⁴	SILVER ⁵	POWER	8631, 8632 MODELS: 500 mA @ 120 V AC OR 28 V DC; 250 mA @ 250 V AC. 8633 MODELS: 250 mA @ 120 V AC OR 28 V DC; 125 mA @ 250 V AC.
G	YES	YES	GOLD OVER SILVER ⁴	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	0.4 VA MAX @ 20 V AC OR DC MAX. OR 8631, 8632 MODELS: 500 mA @ 120 V AC OR 28 V DC; 250 mA @ 250 V AC. 8633 MODELS: 250 mA @ 120 V AC OR 28 V DC; 125 mA @ 250 V AC.

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

- $^{\rm 1}$ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.
- ² CONTACTS: Coin silver, with gold plate over nickel plate.
- 3 TERMINALS: Copper alloy, with gold plate over nickel plate. 8633 model only: Coin silver, with gold plate over nickel plate.
- ⁴ CONTACTS: Coin silver, silver plated.
- $^{\rm 5}$ TERMINALS: Copper alloy, silver plated. 8633 model only: coin silver.

NOTE: Any models supplied with Q, B or G contact material are RoHS compliant.

EPOXY SEAL

8631, 8632 models with all options when ordered with G or Q contact material. Q contact material standard with C, Z terminations.



Not available on 8633 model. Standard on 8631, 8632 models.

Not available on 8631, 8632 models. Standard on 8633 model only.

PLUNGER COLOR ---

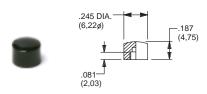
OPTION CODE	COLOR		
2	BLACK		
3	RED		

AVAILABLE HARDWARE

Сар

PART NO. **785101000** WHITE 785102000 BLACK

785103000 RED Material: Nylon Finish: Gloss



NOTE: Other cap colors available, consult Customer Service Center.



