Washable snap-action pushbutton switches



DISTINCTIVE FEATURES

Process sealed
Front and rear sealing
Process compatible (plain bushing models)
Wave solderable



Washable

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
- gold plated brass contacts: 100 mA 30 VDC
- silver or gold plated silver contacts: 1 A 30 VDC
- Initial contact resistance : $50 \text{ m}\Omega$ max.
- Insulation resistance : 1,000 $M\Omega$ min.
- Dielectric strength: 1,000 Vrms 50 Hz min.
- Electrical life: 60,000 cycles



ENVIRONMENTAL SPECIFICATIONS

- \bullet Operating temperature : -20 °C to +85 °C (-4 °F to +185 °F)
- Storage temperature : -40 °C to +85 °C (-40 °F to +185 °F)
- Moisture: The insulating materials employed and the complete seal permit the switches to withstand a 56 days moisture test (IEC 68-2-3).
- Solderability: The switches are tested at 235°C according to IEC 68-2-20 after accelerated aging.



GENERAL SPECIFICATIONS

- Torque: 0.25 Nm (.18 Ft.lb) applied to nut (threaded bushing)
- Total travel: 0.50 mm (.019)
- Mechanical strength: Terminals are strengthened by a bracket or a ground plate ensuring the rigidity of the switch on the board. Actuator strength is 10 N max.
- Soldering thermal shock (plain bushing models only):
 The switches are especially designed for flow soldering at 260 °C (500 °F) during 5 seconds owing to high temperature polymer parts.
- Iron soldering (threaded bushing models): 300 °C (572 °F) max.,
 5 seconds max.

The company reserves the right to change specifications without notice.





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MATERIALS

- Case and cover: UL94-V0, polyamide, glass filled or PES
- Actuator : polyamide, glass filled
- Contacts
 - 0: brass, gold plated
 - 1: silver
- 2: silver, gold plated
- Terminal seal: epoxy

APEM products may be recycled at end-of-life for the re-claiming of valuable metal components.

AGENCY APPROVAL



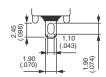
1 A 120 VAC

Availability: all models with silver or gold plated silver contacts.

Marking: to order switches marked UL, complete appropriate box of ordering format.



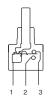
TERMINALS





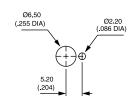


ELECTRICAL FUNCTIONS





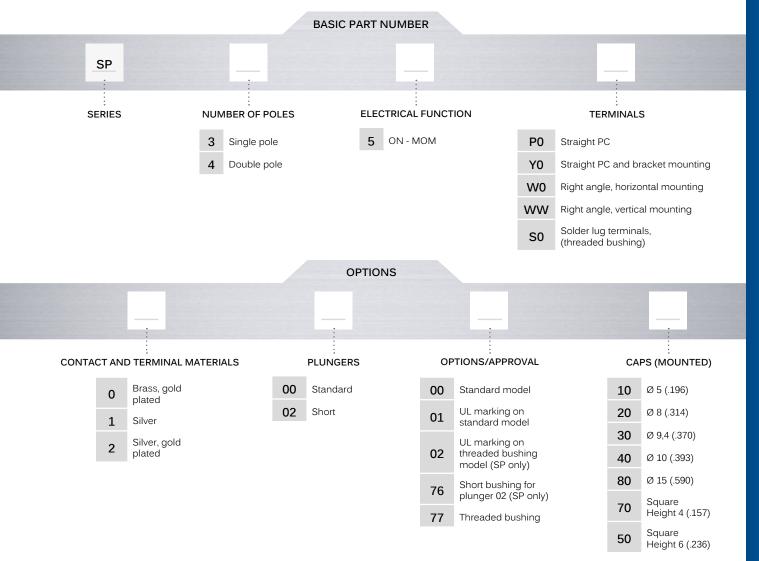
PANEL CUT-OUT



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BUILD YOUR PART NUMBER





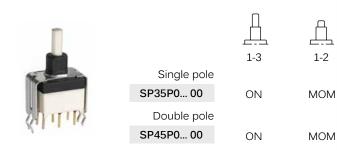
ABOUT THIS SERIES

On the following pages, you will find successively basic part numbers of switches and options in the same order as in above chart.

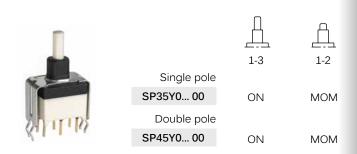
- (1) Notice: please note that not all combinations of above numbers are available. Refer to the following pages for further information.
- Mounting accessories: Standard hardware supplied with all models with Ø 6.35 (1/4) threaded bushing: 2 hex nuts 8 mm (.314) across flats, 1 locking ring and 1 lockwasher. Standard and special hardware available is presented in the "Accessories" section of website.

Washable snap-action pushbutton switches

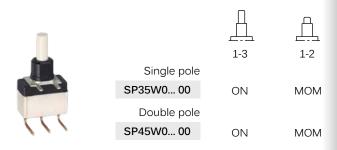
PLAIN BUSHING -STRAIGHT PC TERMINALS



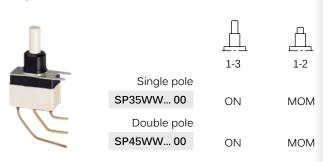
PLAIN BUSHING - BRACKET MOUNTING



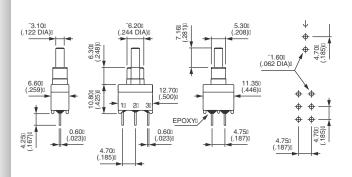
PLAIN BUSHING -RIGHT ANGLE TERMINALS HORIZONTAL

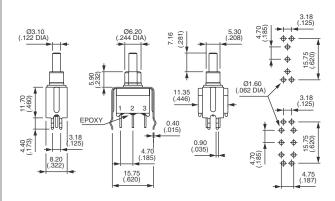


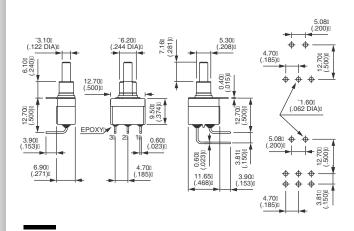
PLAIN BUSHING - RIGHT ANGLE TERMINALS VERTICAL

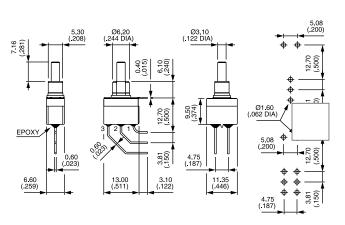


Shown with standard plunger









Washable snap-action pushbutton switches

THREADED BUSHING - SOLDER LUG **TERMINALS**

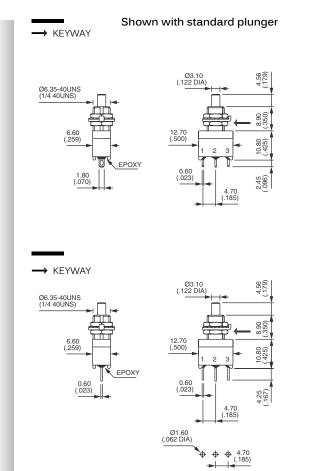


Single pole SP35S0... 77 ON MOM

THREADED BUSHING - STRAIGHT PC **TERMINALS**



Single pole SP35P0... 77 MOM ON



CONTACT & TERMINAL MATERIALS

BASIC P/N

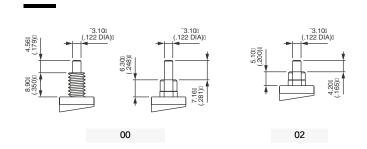
- Brass, gold plated (standard) 0
- 1

BASIC P/N

2 Silver, gold plated

PLUNGERS

- 00 Standard plunger
- 02 Short (for models with plain bushing, single pole only) Order with option 76 below.



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- 00 Standard model
- 01 UL marking for standard model
- 02 UL marking for threaded bushing model (single pole models only)
- 76 Short plain bushing for 02 plunger (single pole models only)
- 77 Threaded bushing (included in basic part numbers on previous page)

CAPS



Blank	Without cap
10	P/N U2400
20	P/N U2510
30	P/N U2130
40	Standard - P/N U2900
50	Square - P/N U2340. Not available with plunger 02
70	Square - P/N U910

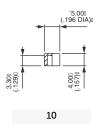
80 P/N U3400. Not available with plunger 02

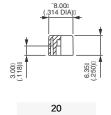
For cap colors, replace «0» with number:

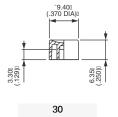
1/4	Dark blue
2	Black
3	Green
4	Grey
5	Yellow
6	Red
7	Ivory
7/1	White
9	Orange

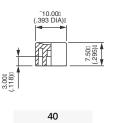
Blue

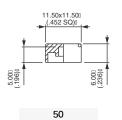
To order caps separately, use their P/N (U...) (for threaded bushing order only separately).

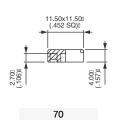


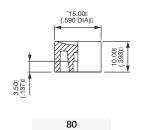












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DRESS NUT

For threaded bushing models only Dress nuts are to be ordered separately.

