Washable snap-action pushbutton switches

Distinctive features and specifications





□ Process sealed

- Secure assembly of the two case partsInternally sealed bushing
- Epoxy sealed terminals

□ Process compatible (plain bushing models)

- Wave solderable
- Washable

B2

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load : gold plated brass contacts: 100mA 30VDC
- silver or gold plated silver contacts: 1A 30VDC
- Initial contact resistance : $50 \text{ m}\Omega$ max. • Insulation resistance : $1.000 \text{ M}\Omega$ min.
- Dielectric strength: 1.000 Vrms 50 Hz min.
- Electrical life: 60.000 cycles

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

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 10N max.
- Operating temperature : -20°C to +85°C
 Storage temperature : -40°C to +85°C
- - The insulating materials employed and the complete seal permit the switches to withstand a 56 days moisture test (IEC 68-2-3).
- Soldering thermal shock (plain bushing models only):
 The switches are especially designed for flow soldering at 260°C during 5 seconds owing to high temperature polymer parts.

 • Iron soldering (threaded bushing models): 300°C max., 5 seconds max.
- Solderability: The switches are tested at 235°C according to IEC 68-2-20 after accelerated aging.

AGENCY APPROVAL



1A 120VAC

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

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

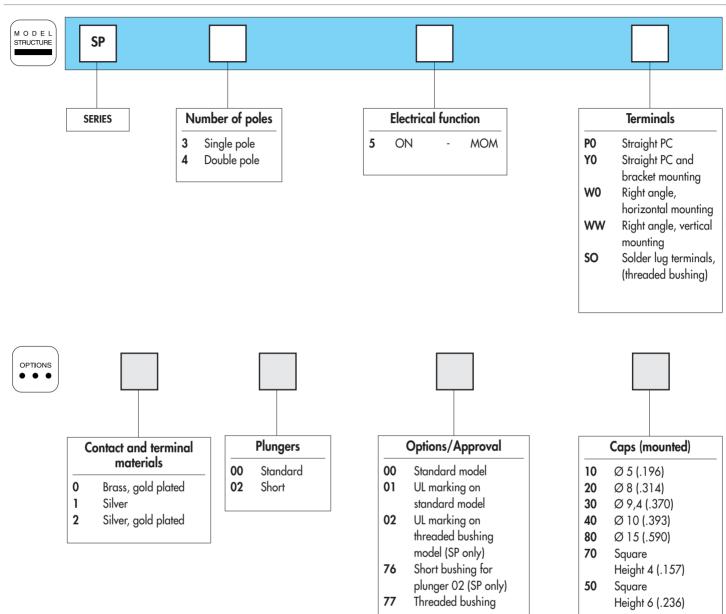


B2-22



Washable snap-action pushbutton switches

Overview



ABOUT THIS SERIES

On the following pages, you will find successively:

- model structure of switches
- options in the same order as above

Specifications are on previous page.

Dimensions: first dimensions are in mm while inches are shown as bracketed numbers.



Mounting accessories : standard hardware supplied with all models with \emptyset 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 are presented in section I.



Packaging unit: 25 or 50 pieces depending on model.

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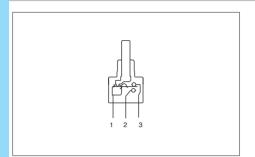




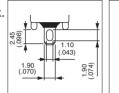
Washable snap-action pushbutton switches

Plain or threaded bushing





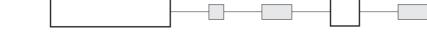
- Solder lug, straight PC or right angle terminals
- Features of threaded bushing models :
 - max. torque: 0,25 Nm (.18 Ft.lb)
- iron soldering: 300°C max., 5 seconds max.
- 1 and 2 pole configurations





MODEL STRUCTURE

B2



Shown with standard plunger

Plain bushing - straight PC terminals



Single pole

SP35P0... 00

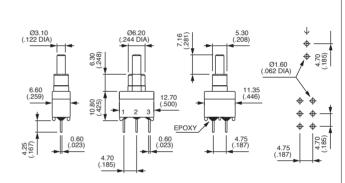
Double pole

SP45P0... 00



ON - MOM

ON - MOM



Plain bushing - bracket mounting



Single pole

SP35Y0... 00

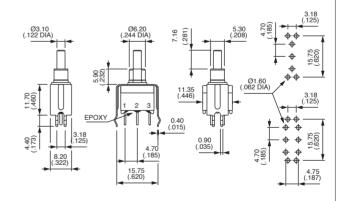
Double pole

SP45Y0... 00

1-3 1-2

ON - MOM

ON - MOM



Plain bushing - right angle terminals - horizontal

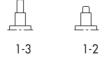


Single pole

SP35W0... 00

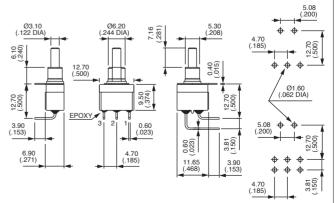
Double pole

SP45W0... 00



ON - MOM

ON - MOM



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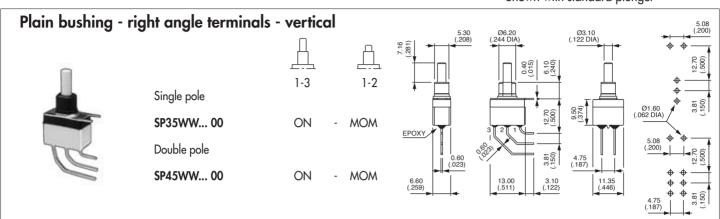


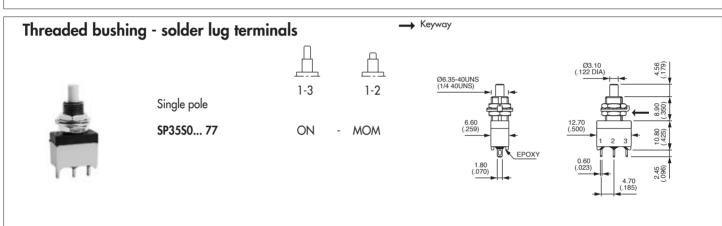


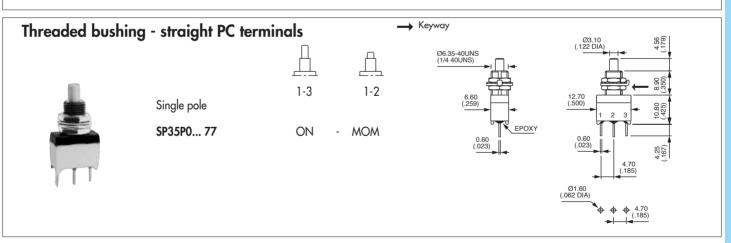
Washable snap-action pushbutton switches

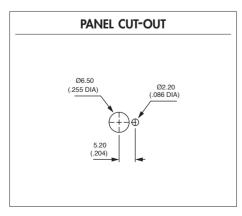
Plain or threaded bushing

Shown with standard plunger









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Washable snap-action pushbutton switches

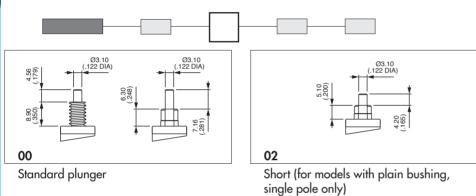


CONTACT AND TERMINAL MATERIALS



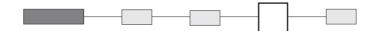
- Brass, gold plated
- Silver
- Silver, gold plated

B2 PLUNGERS



Order with option 76 below.

OPTIONS / AGENCY APPROVAL



- 00 Standard model
- 01 UL marking for standard model
- O2 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 model numbers on previous page)

B2-26

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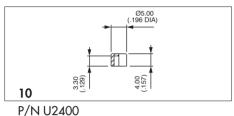


Washable snap-action pushbutton switches

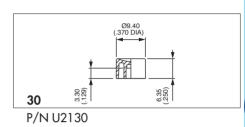




Blank Without cap







Cap colours

Replace last "0" by number

blue 1/4 dark blue

black

green

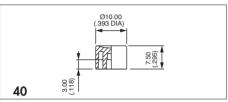
grey yellow red

ivory

white orange

3 4 5

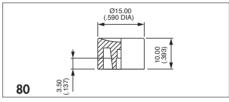
7/1



11.50x11.50 (.452 SQ)

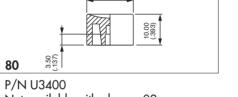
Standard - P/N U2900

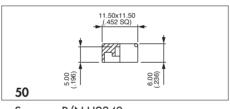
Square - P/N U910



Not available with plunger 02

Not available with plunger 02





Square - P/N U2340

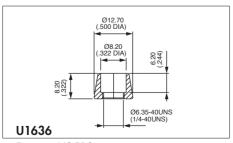
To order caps separately, use their P/N (U...) (for threaded bushing order only separately).

DRESS NUTS

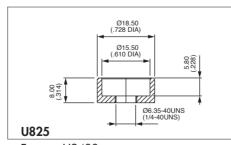
70

Chrome plated

For threaded bushing models only.



For cap U2510



For cap U3400

Ø6.35-40UNS (1/4-40UNS) U840

For cap U2900

Dress nuts are to be ordered separately.

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