

8000 series

Momentary or alternate action pushbutton switches

Distinctive features and specifications

UG1410A



❑ Bushing Ø 6,35 (1/4) and Ø 11,9 (15/32)

❑ UL approved

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - silver contacts : 4A 30VDC
 - gold plated contacts : 0,4VA max. 20VAC or DC
- Initial contact resistance : 10 mΩ max.
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
 - 1.000 Vrms 50 Hz min. between terminals
 - 2.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 30.000 cycles at full load

MATERIALS

- Case : diallylphthalate (DAP)
- Actuator : brass, nickel plated
- Bushing : brass, nickel plated
- Housing : stainless steel
- Contacts
 - A : silver
 - AD : silver, gold plated
 - CD : brass, gold plated
- Terminal seal : epoxy

GENERAL SPECIFICATIONS

- Torque : 1,25 Nm (.922 Ft.lb) max. applied to nut
- Total travel : 2,70 mm (.106)
- Operating temperature : -40°C to +85°C

AGENCY APPROVAL



3A 250VAC, 6A 125VAC

Availability : consult factory for details of approved models.

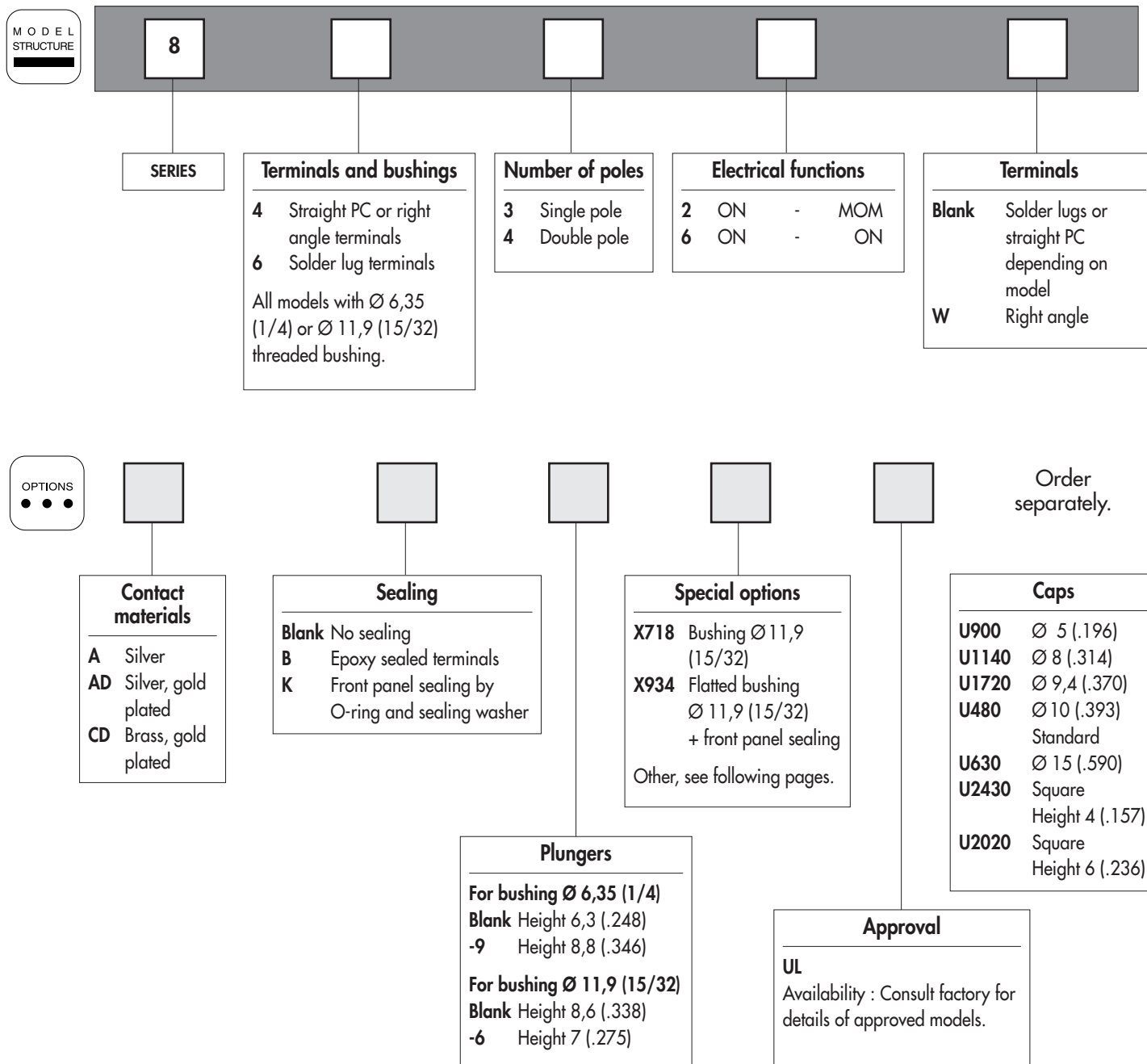
Marking : to order switches marked UL, complete appropriate box of ordering format.

The company reserves the right to change specifications without notice.

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Overview



ABOUT THIS SERIES

On the following pages, you will find successively :

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

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



Sealing boots are available to protect the switches against dust and water. They are presented in section H.



Mounting accessories : standard hardware supplied with all models : 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 : 50 pieces, except 8000W (25 pieces).

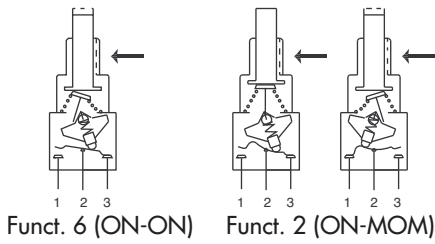
8000 series

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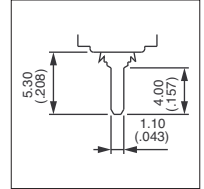
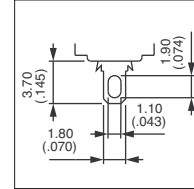
Threaded bushing $\varnothing 6,35$ (1/4)

MODEL
STRUCTURE

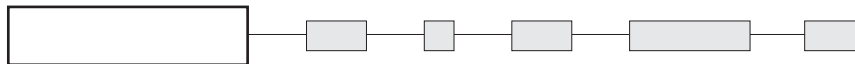
→ Keyway



- Solder lug, straight PC or right angle terminals
- 1 and 2 pole configurations
- Button returns in upper position after actuation.



MODEL
STRUCTURE



Shown with standard plunger

Solder lug terminals : 8600



Single pole
8632
8636

Double pole
8642
8646



2-3

ON
ON



1-2

MOM
ON

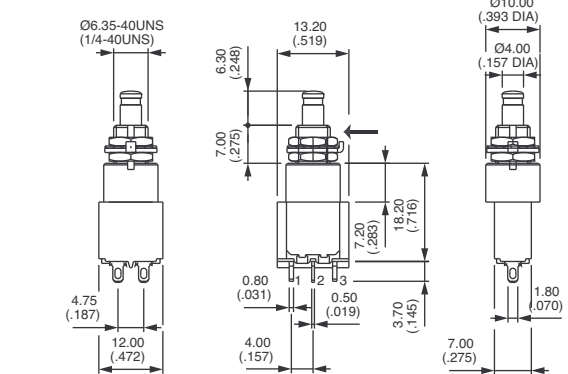
2-3
5-6

ON
ON

1-2
4-5

MOM
ON

→ Keyway



Straight PC terminals : 8400



Single pole
8432
8436

Double pole
8442
8446



2-3

ON
ON



1-2

MOM
ON

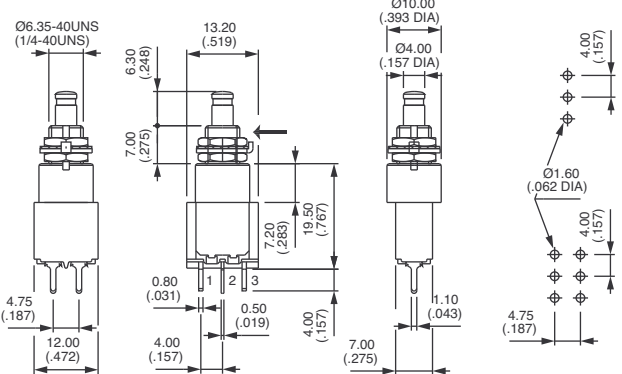
2-3
5-6

ON
ON

1-2
4-5

MOM
ON

→ Keyway



Right angle terminals - horizontal : 8400W



Single pole
8432W
8436W

Double pole
8442W
8446W



2-3

ON
ON



1-2

MOM
ON

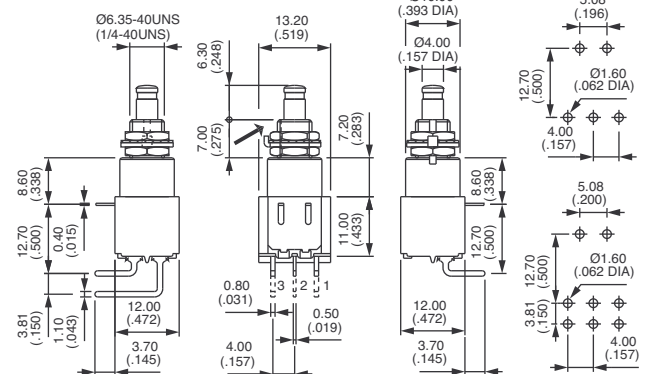
2-3
5-6

ON
ON

1-2
4-5

MOM
ON

→ Keyway

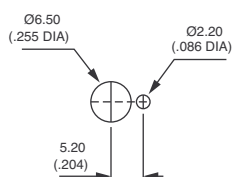




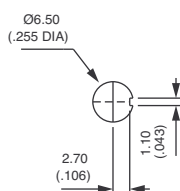
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PANEL CUT-OUT



Standard



With K sealing option

CONTACT MATERIALS



A	Silver
AD	Silver, gold plated
CD	Brass, gold plated

SEALING



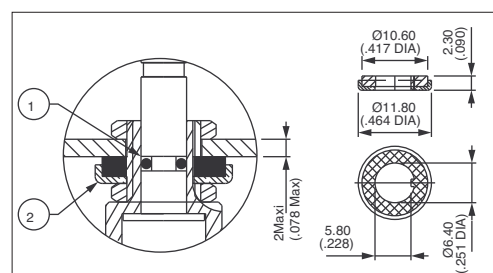
Blank No sealing

B Epoxy sealed terminals

K Front panel sealing by one O-ring and sealing washer. Protects the switch against water and dust. Panel seal withstands 1 bar pressure.

KB Combined sealings

Sealing boot : see section H.



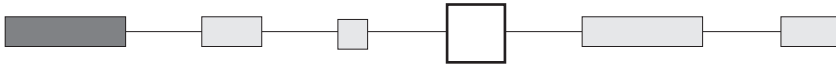
- ① O-ring
- ② Sealing washer

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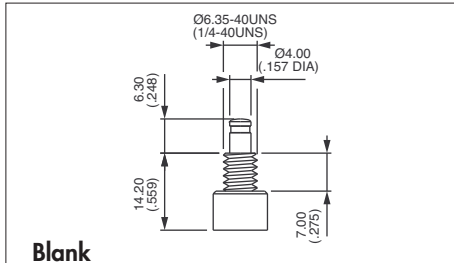
OPTIONS
● ● ●

PLUNGERS



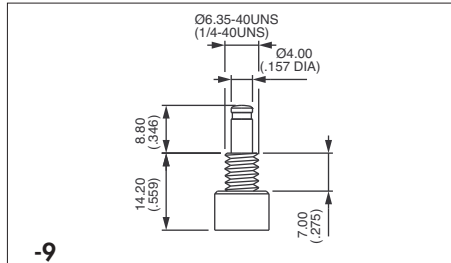
For Ø 6,35 (1/4) bushing

Dash compulsory before plunger code.



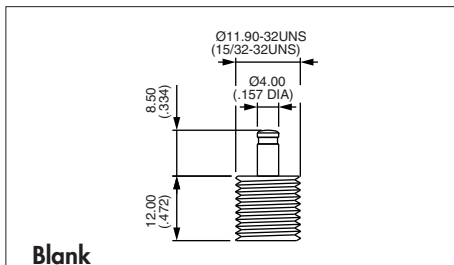
Blank

Standard

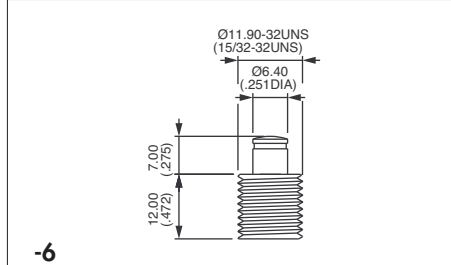


-9

For Ø 11,9 (15/32) bushing (X718 models)

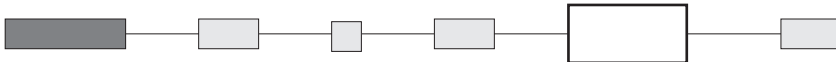


Blank



-6

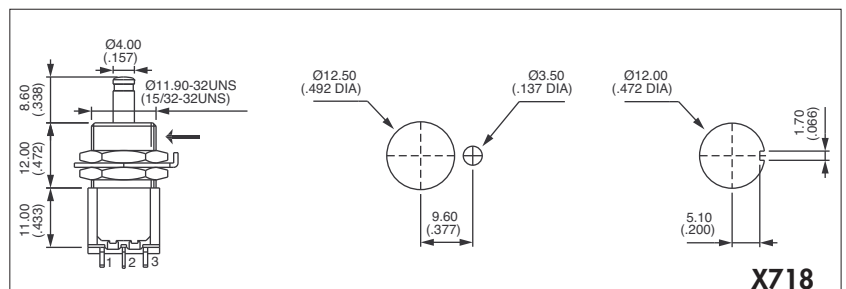
SPECIAL OPTIONS



X601 Silver plated brass contacts

Current/voltage rating for an electrical life of 20.000 cycles : 0,5A 30VDC.
Minimum quantity : 5.000 pieces per model and shipment.

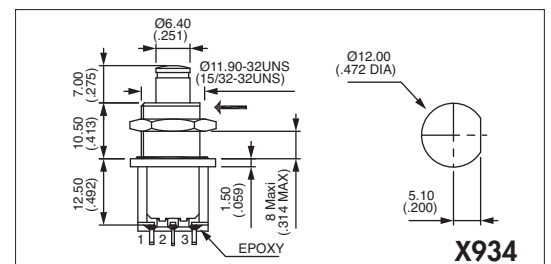
X718 Bushing Ø 11,9 (15/32)
For all basic models (solder lug straight PC or right angle terminals)
Available with plungers 13 and 6.
K sealing option available.



X718

X748 Snap-in mounting. Consult factory
Panel cut-out 15 x 12,5 (.59 x .492)

X934 Flatted bushing Ø 11,9 (15/32) + sealing by two O-rings
(for plunger -6 only). Epoxy sealed terminals.



X934

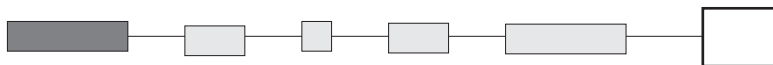
→ Keyway or flat



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APPROVAL



UL

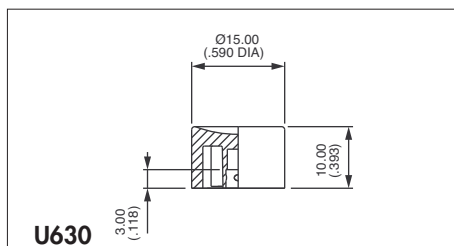
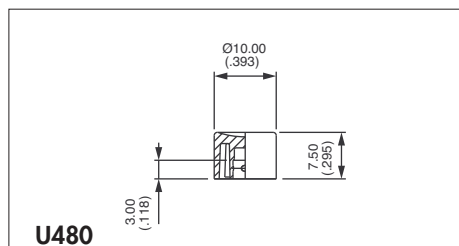
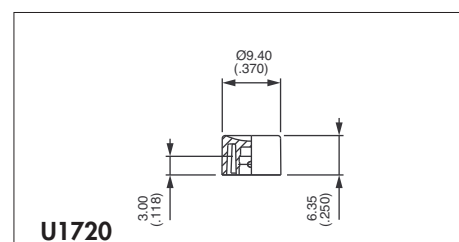
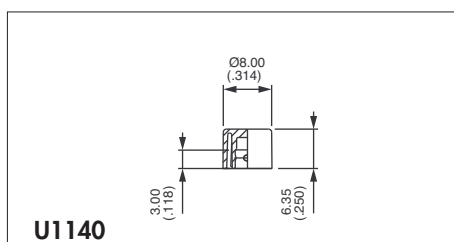
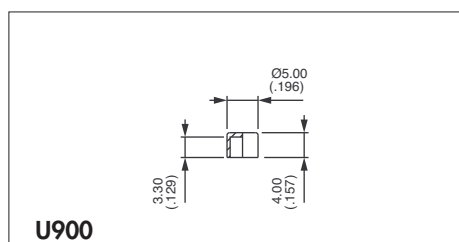
Availability : consult factory for details of approved models.

Marking : to order switches marked UL, complete above box with "UL".

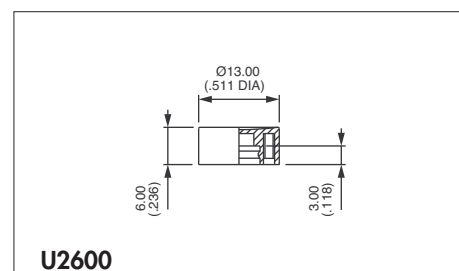
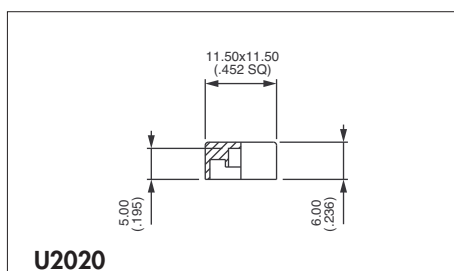
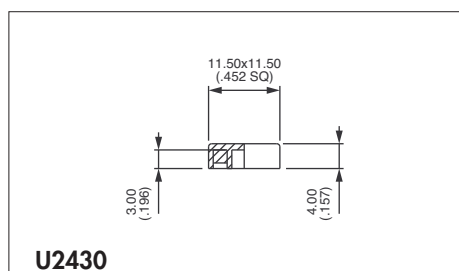
CAPS

Order separately.

The caps below are for Ø 4 mm plungers (standard and -9), except U2600.

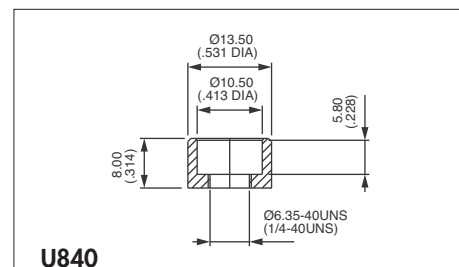
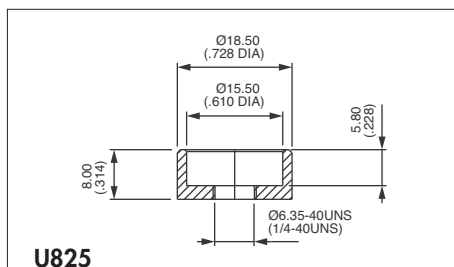
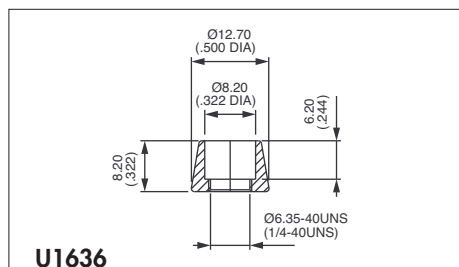


Cap colours	
Replace last "0" by number	
1 blue	5 yellow
1/4 dark blue	6 red
2 black	7 ivory
3 green	7/1 white
4 grey	9 orange



DRESS NUTS

Chrome plated. Order separately.



Mouser Electronics

Authorized Distributor

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[8432WCDB](#) [8436A](#) [8436AB](#) [8436WCDB](#) [8442WCDB](#) [8446ADB](#) [8446WCDB](#) [8632AB6X718UL](#) [8632AB9](#)
[8632ABUL+U482](#) [8632ABX718](#) [8636AB+U482](#) [8636AB6X718UL](#) [8642AB6X718UL](#) [8432AB6X923](#) [8432WCDKB](#)
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[6X934UL](#) [8636ADB](#)