

# 8000 series

Momentary or alternate action  
pushbutton switches



## DISTINCTIVE FEATURES

Momentary or alternate

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 : 4 A 30 VDC
  - gold plated contacts : 0.4 VA max. 20 VAC or DC
- Initial contact resistance : 10 mΩ max.
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- 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



## 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 (-40 °F to +185 °F)



## MATERIALS

- Case : diallyphthalate (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

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

The company reserves the right to change specifications without notice.



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## AGENCY APPROVAL



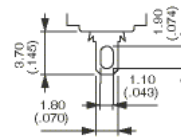
3 A 250 VAC,  
6 A 125 VAC

**Availability** : consult factory for details of approved models.

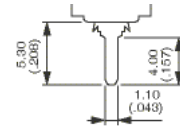
**Marking** : to order switches marked UL, complete appropriate box of ordering format.



## TERMINALS



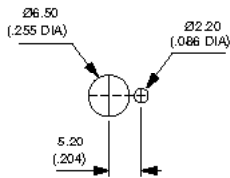
Solder lug



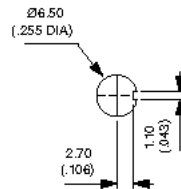
Straigh PC



## PANEL CUT-OUT



Standard

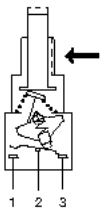


With K sealing option

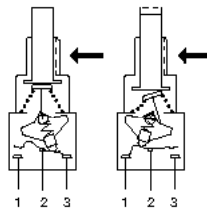


## ELECTRICAL FUNCTIONS

→ KEYWAY



Funct. 6 (ON-ON)

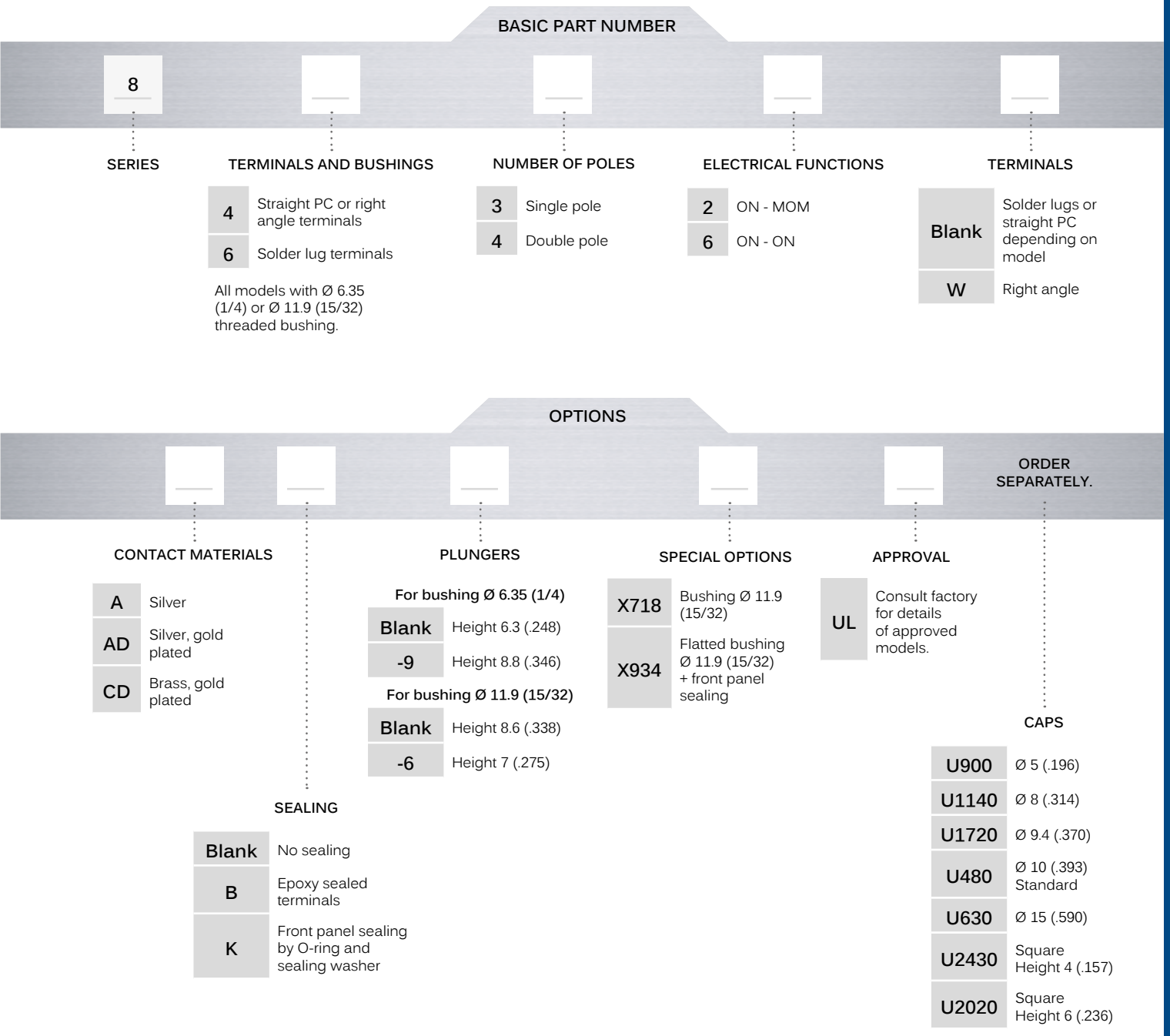


Funct. 2 (ON-MOM)

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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.

-  **Notice** : please note that not all combinations of above numbers are available. Refer to the following pages for further information.
-  **Sealing boots** are available to protect the switches against dust and water. See "Sealing Boots" section of website.
-  **Mounting accessories** : standard hardware supplied with all models : 2 hex nuts 8 mm (.314) across flats, 1 locking ring and 1 lockwasher (Sealing option "K" : lockwasher not supplied). Standard and special hardware available is presented in the "Hardware" section of website.

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## SOLDER LUG TERMINALS : 8600



Single pole	8632	2-3	ON	1-2	MOM
	8636	2-3	ON	1-2	ON
Double pole	8642	5-6	ON	4-5	MOM
	8646	5-6	ON	4-5	ON



2-3



1-2

## STRAIGHT PC TERMINALS : 8400



Single pole	8432	2-3	ON	1-2	MOM
	8436	2-3	ON	1-2	ON
Double pole	8442	5-6	ON	4-5	MOM
	8446	5-6	ON	4-5	ON



2-3



1-2

## RIGHT ANGLE TERMINALS HORIZONTAL : 8400W



Single pole	8432W	2-3	ON	1-2	MOM
	8436W	2-3	ON	1-2	ON
Double pole	8442W	5-6	ON	4-5	MOM
	8446W	5-6	ON	4-5	ON



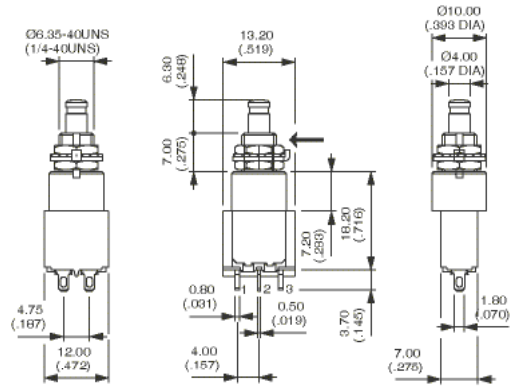
2-3



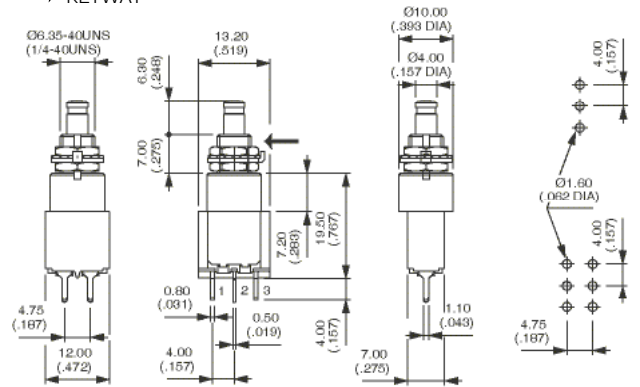
1-2

→ KEYWAY

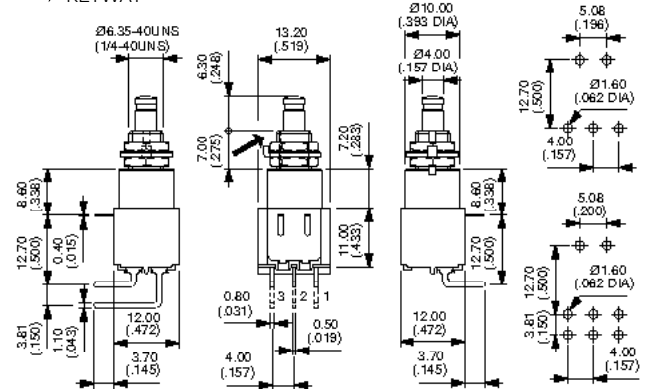
Shown with standard plunger



→ KEYWAY



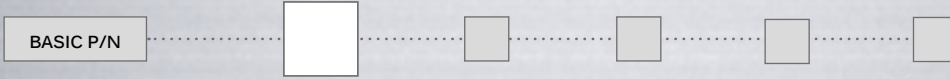
→ KEYWAY



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## CONTACT MATERIALS

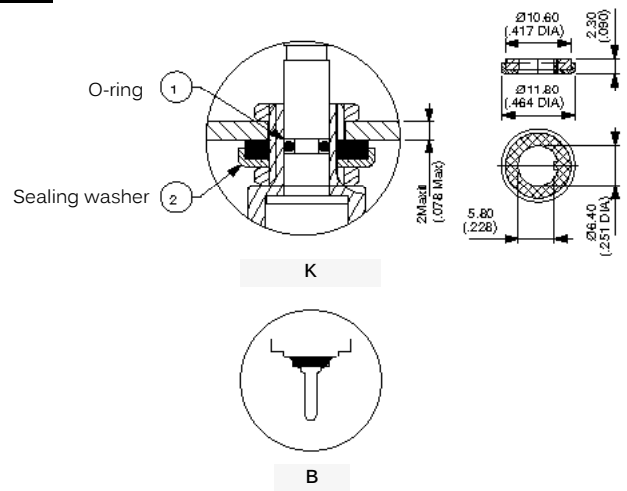


- A Silver
- AD Silver, gold plated
- CD Brass, gold plated

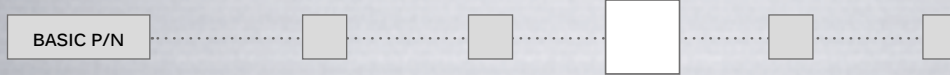
## SEALING



- Blank No sealing
  - K Frontal sealing by O-ring and sealing washer. Protects the switch against water and dust. Panel seal withstands 1 bar pressure.
  - B Epoxy sealed terminals
  - KB Combined sealings
- Sealing boot : see "Sealing boots" section of website.

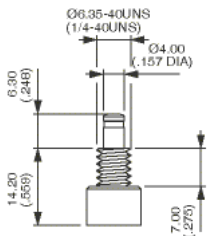


## PLUNGERS

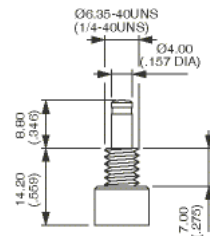


Dash compulsory before plunger code.

FOR Ø 6.35 (1/4) BUSHING

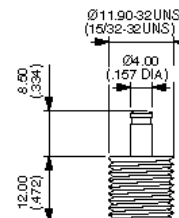


Blank  
Standard

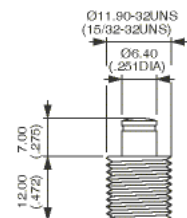


-9

FOR Ø 11.9 (15/32) BUSHING (X718 MODELS)



Blank  
Standard

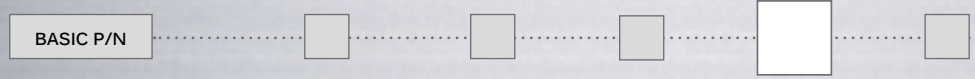


-6

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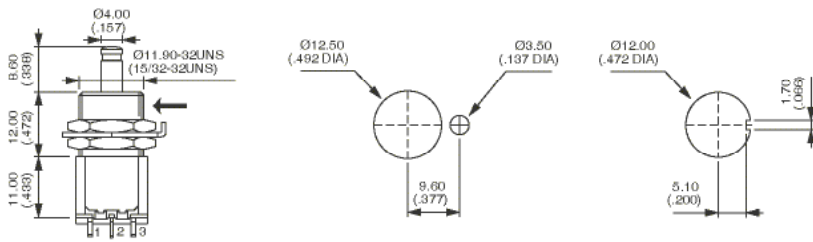
### SPECIAL OPTIONS



- X601** Silver plated brass contacts  
Current/voltage rating for an electrical life of 20,000 cycles : 0.5 A 30 VDC.  
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 shown on previous page (Standard and -6)  
K sealing option available.
- 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.

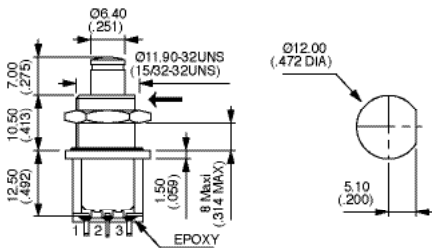
#### OPTION X718

→ KEYWAY

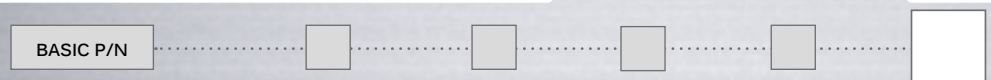


#### OPTION X934

→ KEYWAY



### AGENCY APPROVAL



#### UL

**Availability** : consult factory for details of approved models.

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

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## CAPS

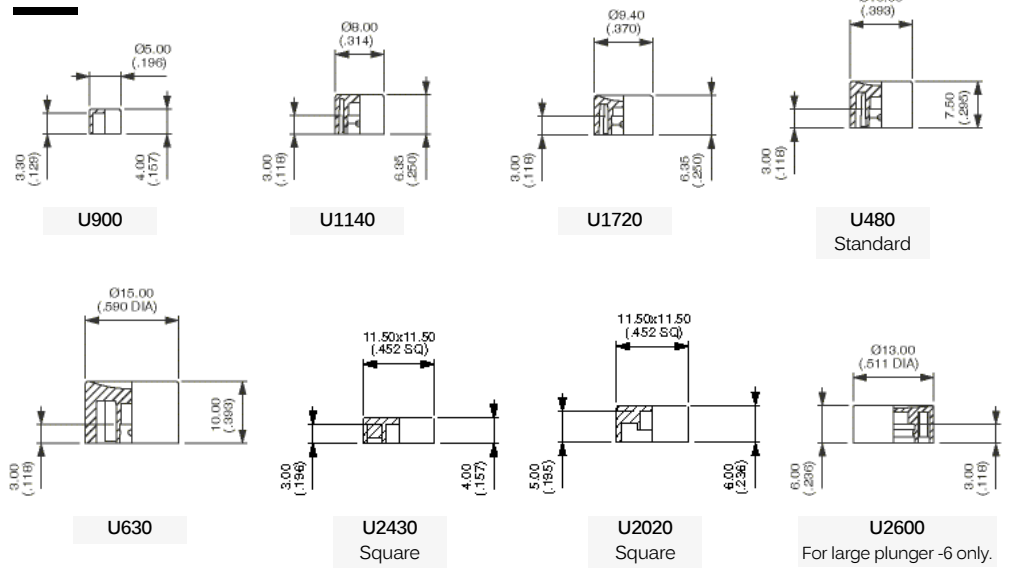
### Order separately

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

### Cap colors

Replace last "0" by number :

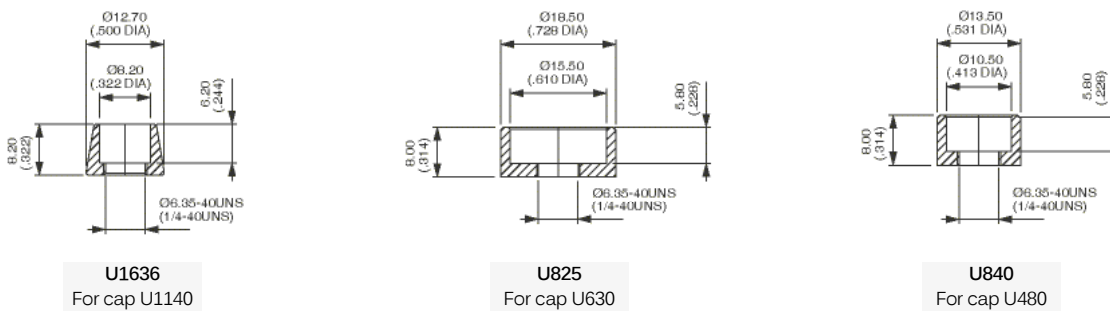
- 1 Blue
- 1/4 Dark blue
- 2 Black
- 3 Green
- 4 Grey
- 5 Yellow
- 6 Red
- 7 Ivory
- 7/1 White
- 9 Orange



## DRESS NUTS

### Order separately

Chrome plated.



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[67021K512](#) [67081K512X](#) [701PB580](#) [7190K101](#) [7199K101](#) [810K12910](#) [810KSV30B](#) [MML21EA2ADK](#) [MML21KA3ABK](#)  
[MML23KA3AC05K-001](#) [MML23KW3AA01W](#) [8418K2](#) [8442K3](#) [8450K1](#) [860K11911T01A](#) [861901](#) [861K11911T01A07](#)  
[861K13810T00A14](#) [861K13911](#) [8646AB6X718UL](#) [8646ABUL](#) [9001KXRK](#) [907AYY100](#) [PMHD155A1](#) [95-313.000](#)  
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