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SW-8000-2112

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 : 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

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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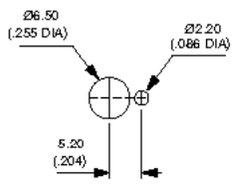
Momentary or alternate action pushbutton switches

AGENCY APPROVAL

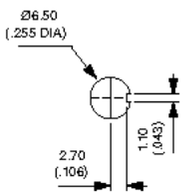
3 A 250 VAC,
6 A 125 VAC

Availability : consult factory for details of approved models.
Marking : to order switches marked UL, complete appropriate box of ordering format.

PANEL CUT-OUT



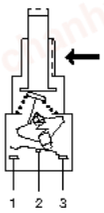
Standard



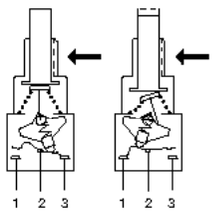
With **K** sealing option

ELECTRICAL FUNCTIONS

→ KEYWAY

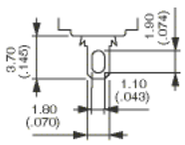


Funct. 6 (ON-ON)

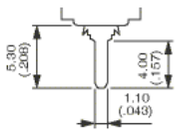


Funct. 2 (ON-MOM)

TERMINALS



Solder lug



Straigh PC

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8000 series

Momentary or alternate action pushbutton switches

BUILD YOUR PART NUMBER

BASIC PART NUMBER

8 _ _ _ _

SERIES

TERMINALS AND BUSHINGS

4	Straight PC or right angle terminals
6	Solder lug terminals

All models with Ø 6.35 (1/4) or Ø 11.9 (15/32) threaded bushing.

NUMBER OF POLES

3	Single pole
4	Double pole

ELECTRICAL FUNCTIONS

2	ON - MOM
6	ON - ON

TERMINALS

Blank	Solder lugs or straight PC depending on model
W	Right angle

OPTIONS

_ _ _ _ _ ORDER SEPARATELY.

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 O-ring and sealing washer

PLUNGERS

For bushing Ø 6.35 (1/4)

Blank	Height 6.3 (.248)
-9	Height 8.8 (.346)

For bushing Ø 11.9 (15/32)

Blank	Height 8.6 (.338)
-6	Height 7 (.275)

SPECIAL OPTIONS

X718	Bushing Ø 11.9 (15/32)
X934	Flatted bushing Ø 11.9 (15/32) + front panel sealing

APPROVAL

UL	Consult factory for details of approved models.

CAPS

U900	Ø 5 (.196)
U1140	Ø 8 (.314)
U1720	Ø 9.4 (.370)
U480	Ø 10 (.393) Standard
U630	Ø 15 (.590)
U2430	Square Height 4 (.157)
U2020	Square Height 6 (.236)

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.

8000 series

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SOLDER LUG TERMINALS : 8600



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

STRAIGHT PC TERMINALS : 8400



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

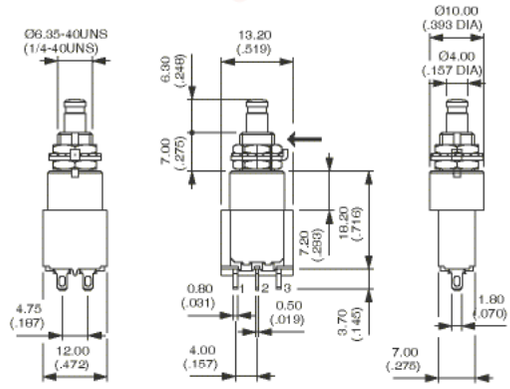
RIGHT ANGLE TERMINALS HORIZONTAL : 8400W



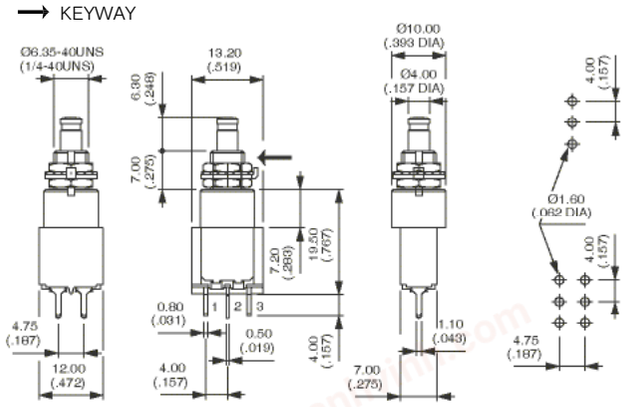
		2-3	1-2
Single pole	8432W	ON	MOM
	8436W	ON	ON
Double pole	8442W	ON	MOM
	8446W	ON	ON

→ KEYWAY

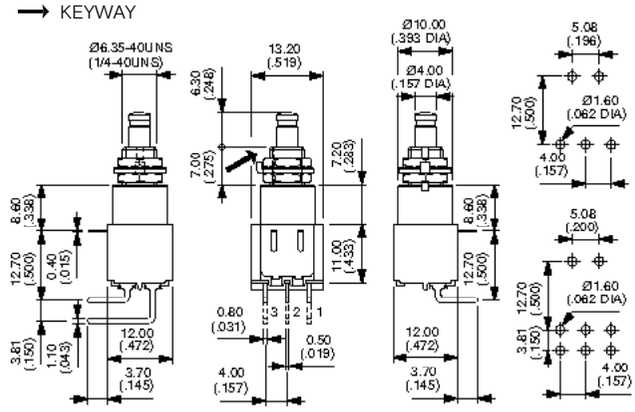
Shown with standard plunger



→ KEYWAY



→ KEYWAY



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8000 series

Momentary or alternate action pushbutton switches

CONTACT MATERIALS

BASIC P/N

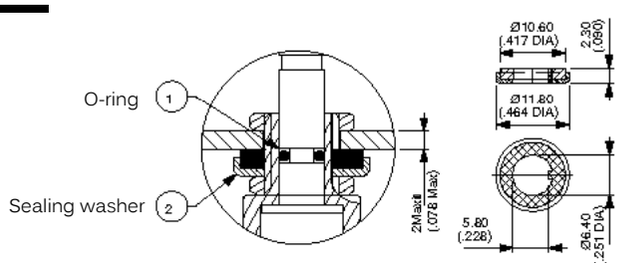
A	Silver
AD	Silver, gold plated
CD	Brass, gold plated

SEALING

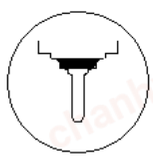
BASIC P/N

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.



K



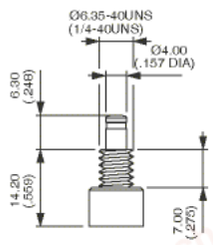
B

PLUNGERS

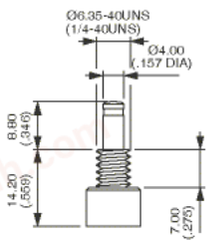
BASIC P/N

Dash compulsory before plunger code.

FOR Ø 6.35 (1/4) BUSHING

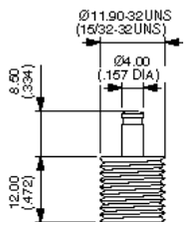


Blank
Standard

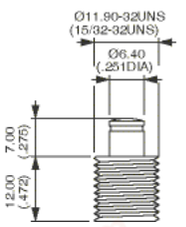


-9

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



Blank
Standard



-6

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8000 series

Momentary or alternate action pushbutton switches

SPECIAL OPTIONS

BASIC P/N

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.

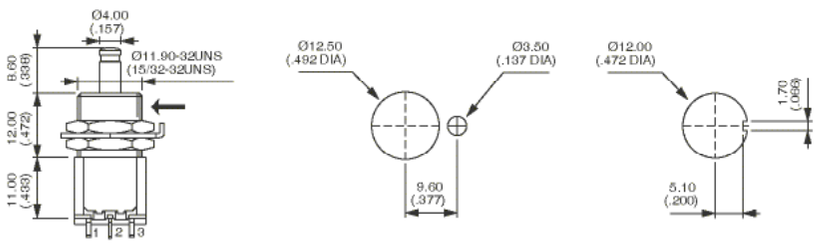
X718 Bushing Ø 11.9 (15/32)
For all basic models (solder lug, straight PC or right angle terminals)
Available with plungers shown on previous page (Standard and **-6**)
K sealing option available.

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.

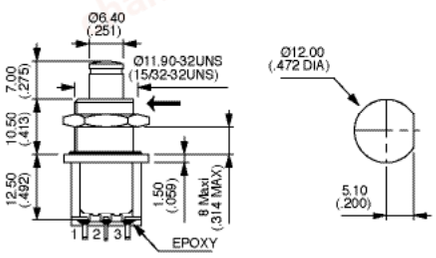
OPTION X718

→ KEYWAY



OPTION X934

→ KEYWAY



AGENCY APPROVAL

BASIC P/N

UL

Availability : consult factory for details of approved models.
Marking : to order switches marked UL, complete above box with "UL".

8000 series

Momentary or alternate action pushbutton switches

CAPS

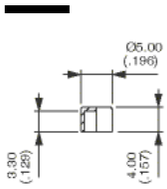
Order separately

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

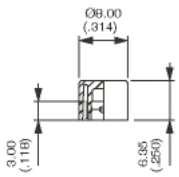
Cap colors

Replace last "0" by number :

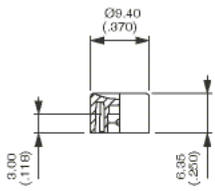
1	Blue
1/4	Dark blue
2	Black
3	Green
4	Grey
5	Yellow
6	Red
7	Ivory
7/1	White
9	Orange



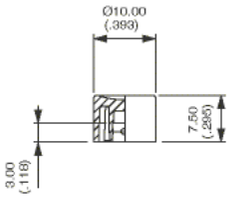
U900



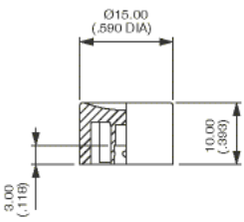
U1140



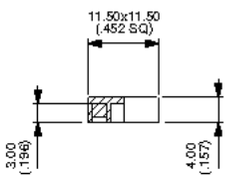
U1720



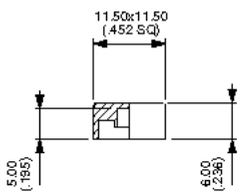
U480
Standard



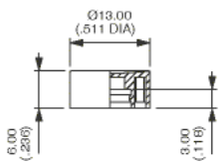
U630



U2430
Square



U2020
Square

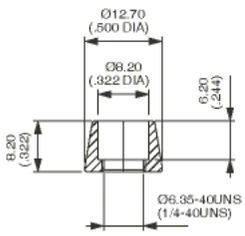


U2600
For large plunger -6 only.

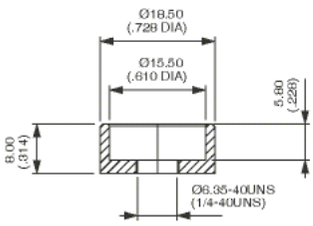
DRESS NUTS

Order separately

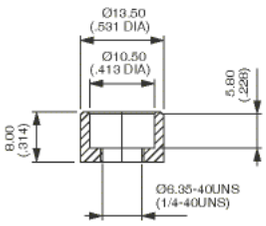
Chrome plated.



U1636
For cap U1140



U825
For cap U630



U840
For cap U480