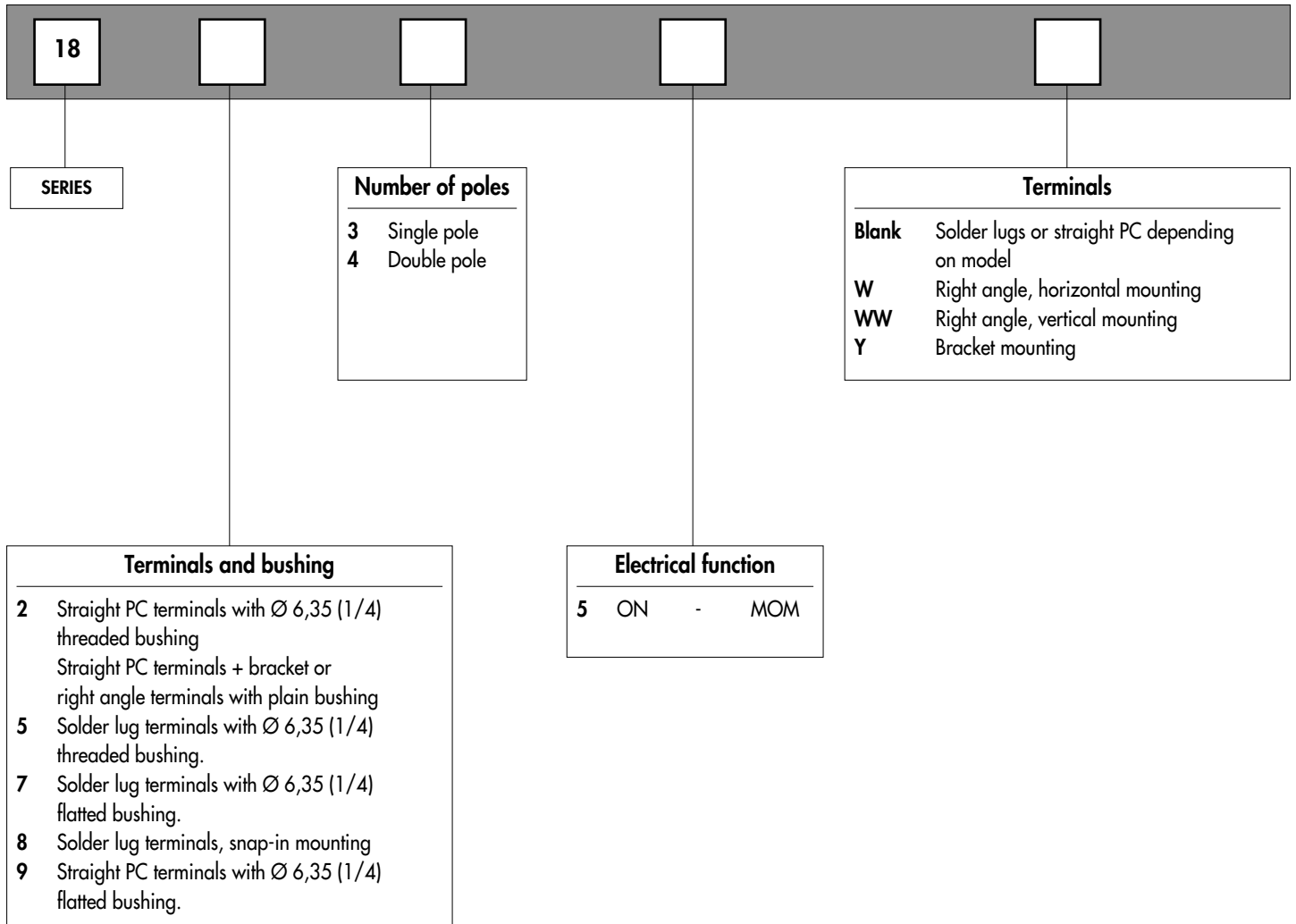


18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Overview

MODEL
STRUCTURE



ABOUT THIS SERIES

On the following pages, you will find successively :

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

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



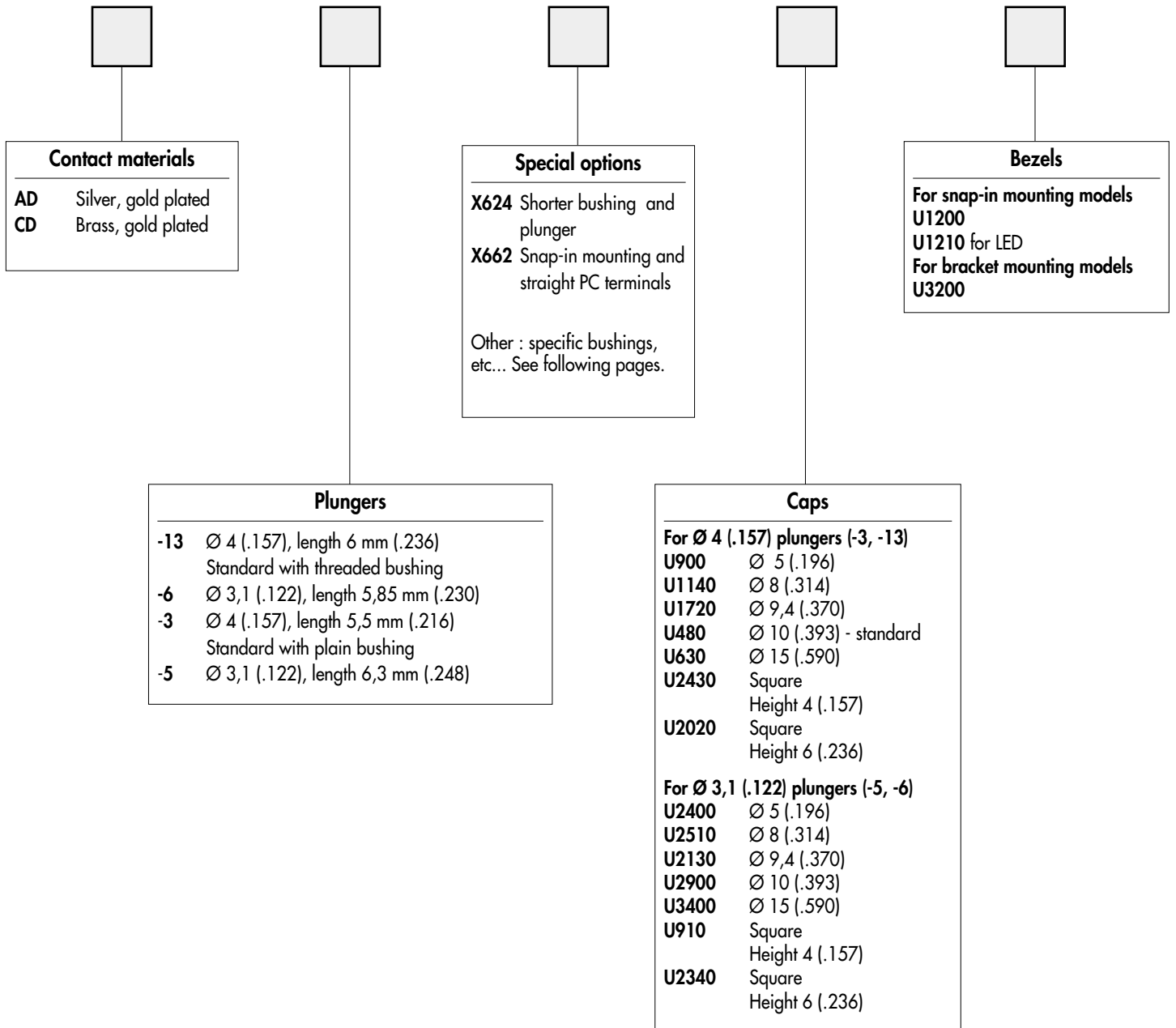
NOTICE : please note that not all combinations of above numbers are available.
Refer to the following pages for further information.

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Overview

OPTIONS



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



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 are presented in section N.



Packaging unit : 25 pieces for W, WW double pole and 18800 models
 50 pieces for other models.

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Specifications

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - gold plated brass contacts : 100mA - 30VDC
 - gold plated silver contacts : 1A 120VAC, 1A 30VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1.000 MΩ min.
- Dielectric strength : 1.000 Vrms 50 Hz min.
- Electrical life : 60.000 cycles at full load

MATERIALS

- Case : PBT
- Actuator : polyamide, glass filled
- Bushing : brass, nickel plated
- Housing : stainless steel
- Bracket : tin plated steel
- Contacts
 - AD** : silver, gold plated
 - CD** : brass, gold plated
- Terminals seal : epoxy

GENERAL SPECIFICATIONS

- Total travel : 0,5 mm (.019)
- Torque : 1,25 Nm (.922 Ft.lb) max. applied to nut
- Operating temperature : -30°C to +65°C

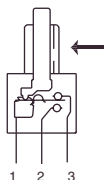
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

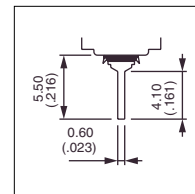
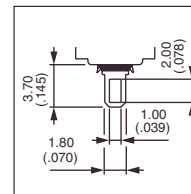
Threaded bushing Ø 6,35 (1/4) : 18500 - 18700 - 18200

MODEL
STRUCTURE

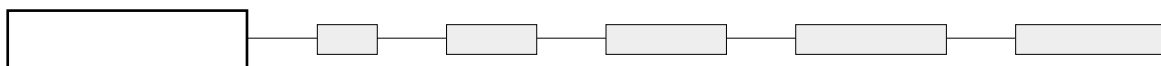
→ Keyway



- Solder lug or straight PC terminals
- Epoxy sealed terminals standard



MODEL
STRUCTURE



Shown with standard plunger (-13)

Solder lug terminals : 18500

→ Keyway



Single pole
18535

Double pole
18545



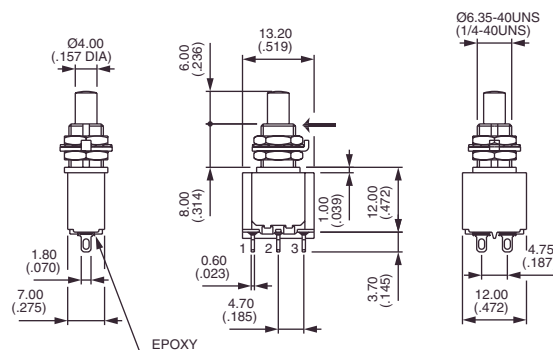
1-3

ON



1-2

MOM



Flatted bushing - solder lug terminals : 18700

→ Flat



Single pole
18735

Double pole
18745



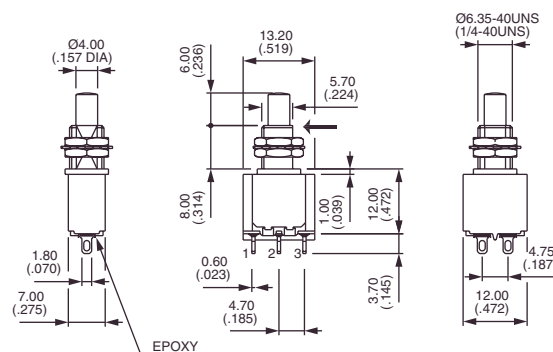
1-3

ON



1-2

MOM



Straight PC terminals : 18200

→ Keyway



Single pole
18235

Double pole
18245



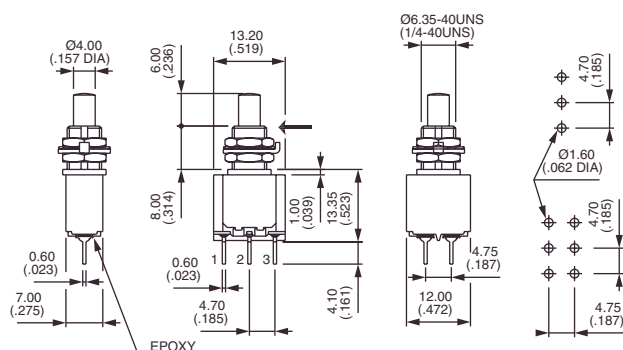
1-3

ON



1-2

MOM



18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Threaded bushing Ø 6,35 (1/4) : 18900 - Snap-in mounting : 18800

MODEL
STRUCTURE

Flatted bushing - straight PC terminals : 18900

→ Flat



Single pole
18935

Double pole
18945



1-3

ON

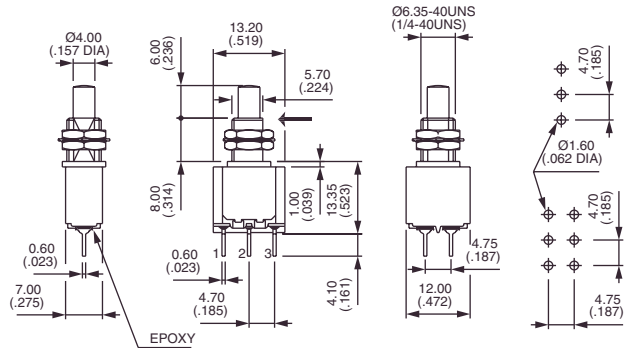


1-2

MOM

ON

MOM



Snap-in mounting - solder lug terminals : 18800

Shown with cap U910 + U1200



Single pole
18835

Double pole
18845



1-3

ON

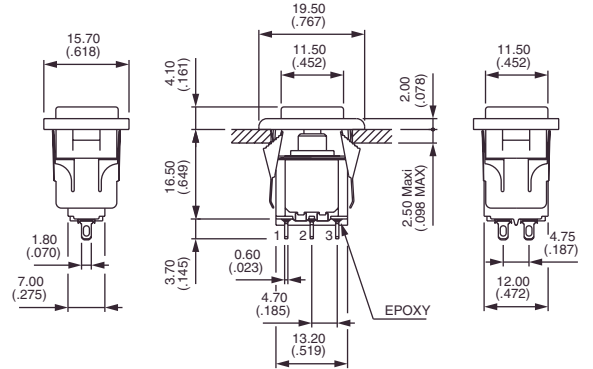


1-2

MOM

ON

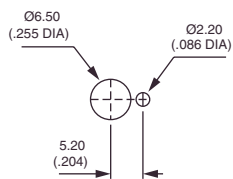
MOM



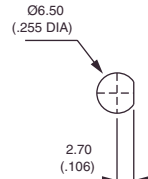
Available with straight PC terminals : see X662 under "Special options".

PANEL CUT-OUT

18500 - 18200

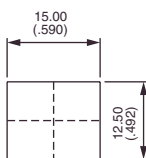


18700 - 18900

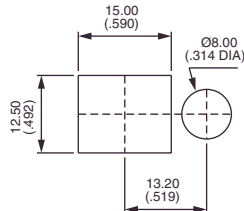


PANEL CUT-OUT

18800

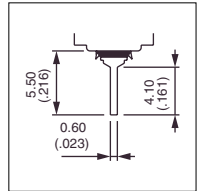


With bezel **U1200**



With bezel **U1210** for LED

MODEL
STRUCTURE



Shown with standard plunger (-3)

Straight PC terminals - bracket mounting - single pole 18230Y



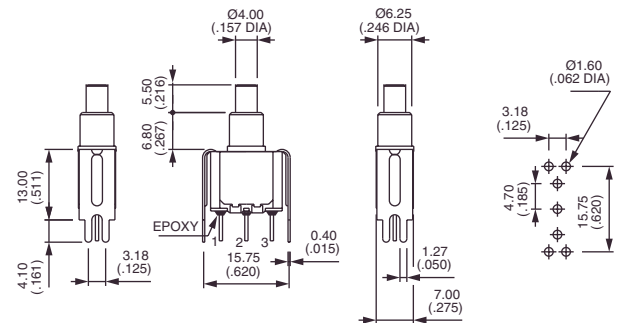
18235Y



ON



MOM



Straight PC terminals - bracket mounting - double pole 18240Y



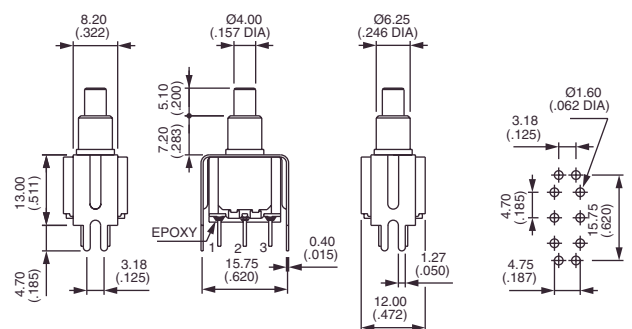
18245Y



ON



MOM



Right angle terminals - horizontal : 18200W



Single pole
18235W

Double pole
18245W



ON



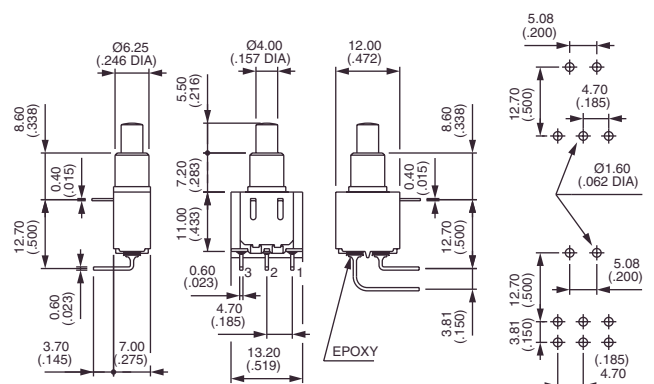
MOM



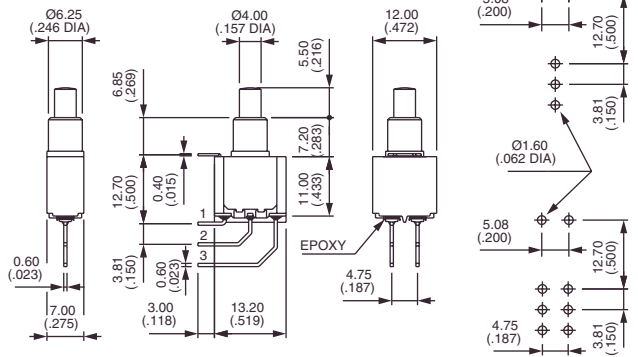
ON



MOM



● ● ●



18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS



SPECIAL OPTIONS



X624 Straight PC terminals - bracket mounting - with shorter bushing and plunger

Single pole

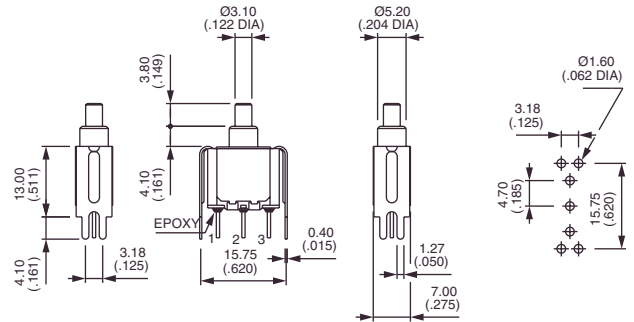
18235Y -2X624



ON



MOM



Double pole

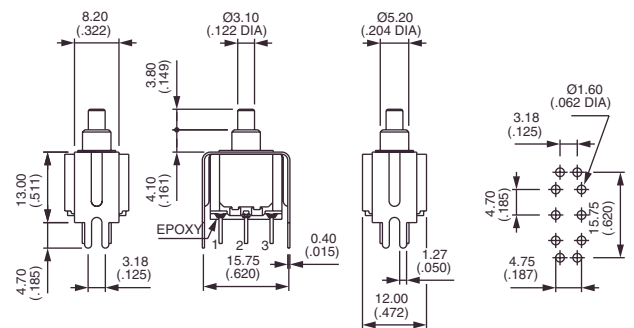
18245Y -2X624



ON



MOM



X662 Snap-in mounting - straight PC terminals

Single pole
18835 X662



ON



MOM

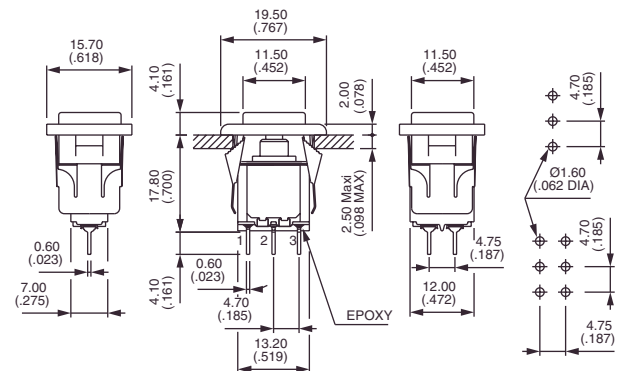
Double pole
18845 X662



ON



MOM



18000 SERIES
SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS
● ● ●

SPECIAL OPTIONS (continued)



D

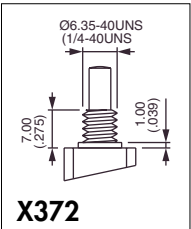
X371 Plain bushing Ø 6,25 mm (.246) (instead of standard threaded bushing).

X372 Shorter threaded bushing Ø 6,35 (1/4). Height 7 mm (.274).

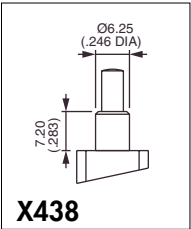
X386 Threaded bushing Ø 6,35 mm (1/4) to replace plain bushing on models W - WW and Y.

X438 Plain bushing Ø 6,25 mm (.246). Height 7,2 mm (.283) - without shoulder.

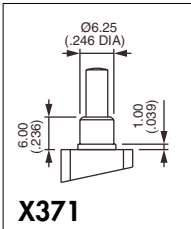
F Tin dipped terminals (for PC terminals only)



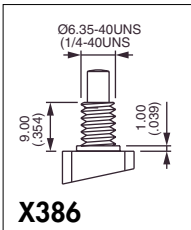
X372



X438



X371



X386

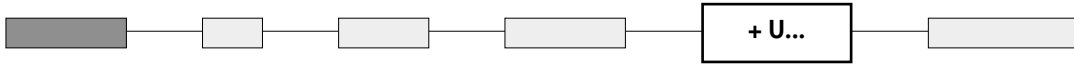
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

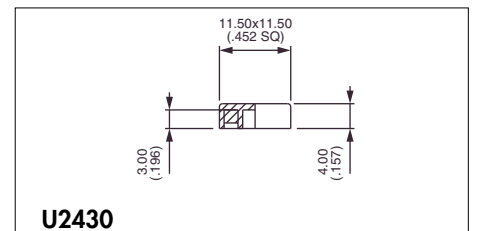
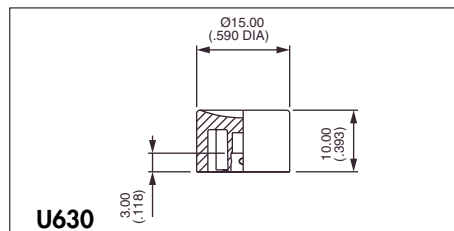
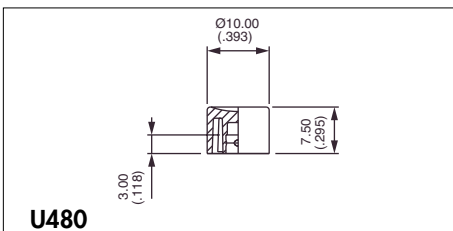
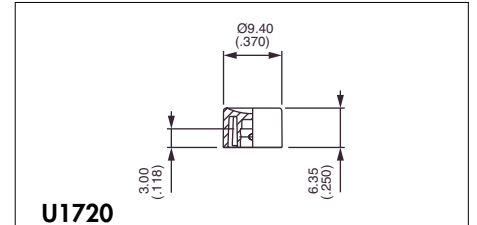
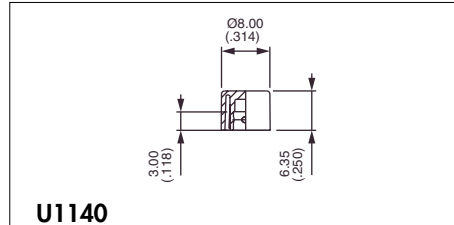
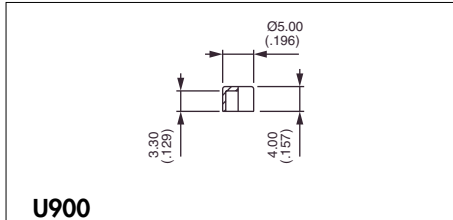
OPTIONS



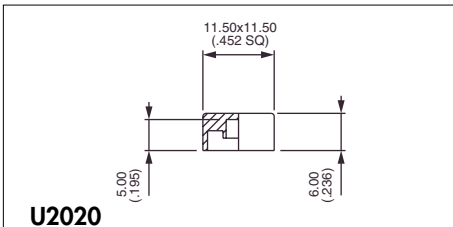
CAPS



Caps for Ø 4 (.157) plungers (-13, -3)

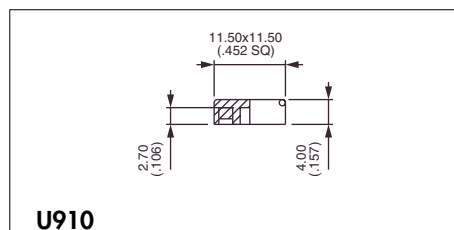
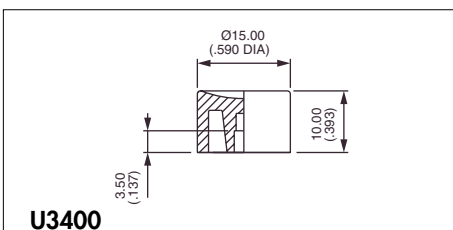
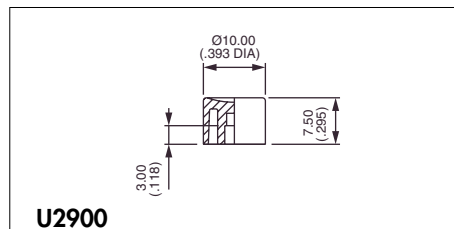
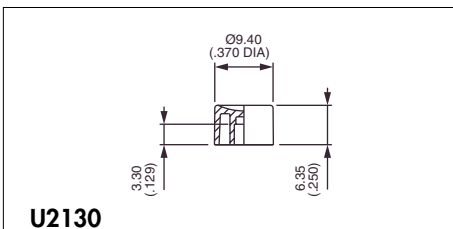
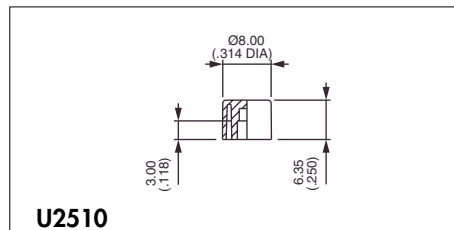
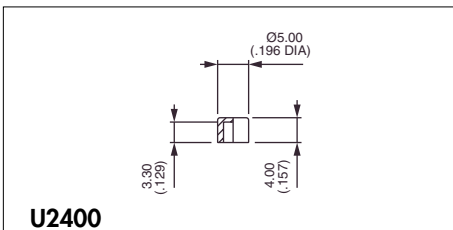


Square

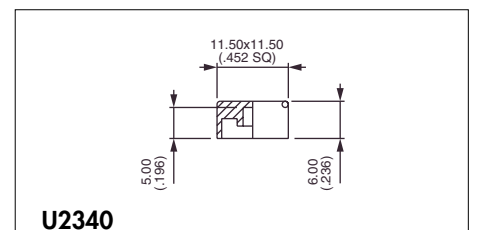


Square

Caps for Ø 3,1 (.122) plungers (-5, -6)



Square



Square

Cap colours

Replace last "0" by number

- | | |
|-----|--------|
| 1 | blue |
| 2 | black |
| 3 | green |
| 4 | grey |
| 5 | yellow |
| 6 | red |
| 7 | ivory |
| 7/1 | white |
| 9 | orange |

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS

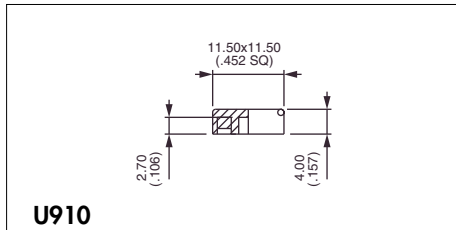


CAPS (continued)



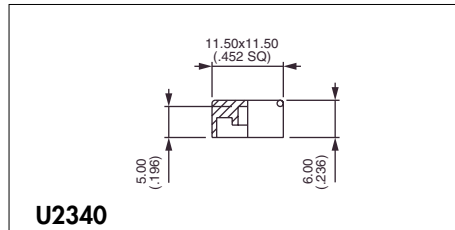
Caps for 18800 and 18800X662 models

D



U910

Square



U2340

Square

Cap colours

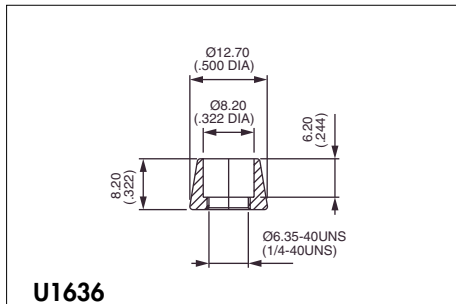
Replace "0" by number

- 1 blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

DRESS NUTS

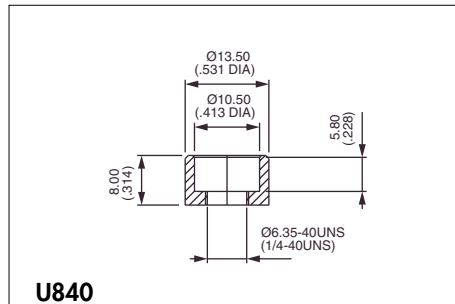
For models with threaded bushing (18500 - 18700 - 18200 - 18900)

Chrome plated



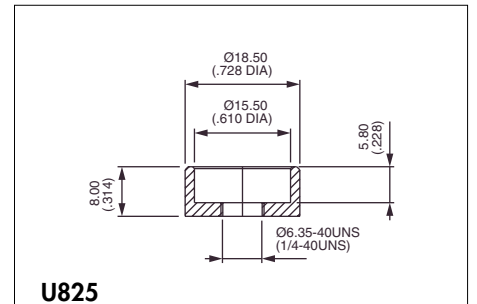
U1636

For caps U1140 and U2510



U840

For cap U480 and U2900



U825

For caps U630 and U3400

Dress nuts are to be ordered separately.

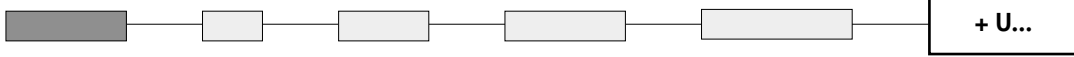
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

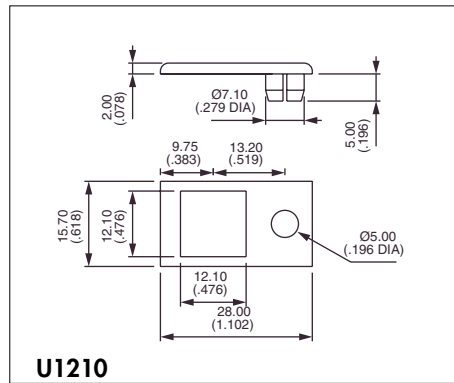
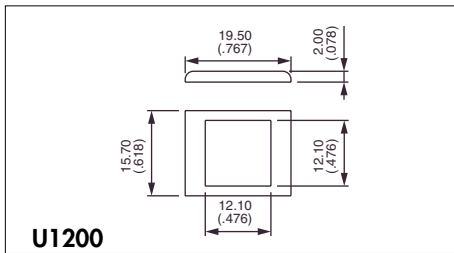
OPTIONS



BEZELS



For snap-in models (18800 - 18800X662)



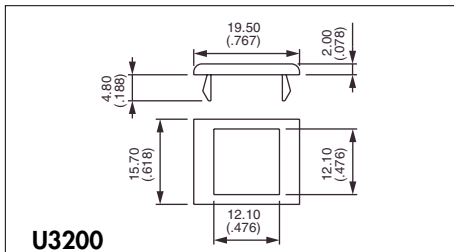
For LED Ø 5 - not supplied

Bezel colours

Replace last "0" by number

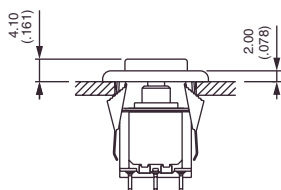
- 1 blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

For bracket mounting models (18200Y and 18200YX624)

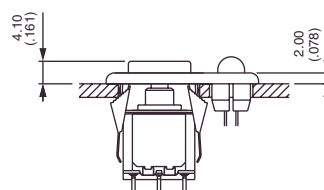


STANDARD PANEL MOUNTING

Panel thickness with bezel : 1 mm (.039) to 2,5 mm (.098)



18800 + U910 + U1200



18800 + U910 + U1210

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

For high currents

ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
3A 250VAC - 6A 125VAC - 7A 30VDC
- Initial contact resistance : 20 mΩ max. at 0,1A 3VDC
- Insulation resistance : 200.000 MΩ min. between terminals and frame
- Dielectric strength : 1.500 Vrms 50 Hz min.
- Electrical life : 60.000 cycles at full load

GENERAL SPECIFICATIONS

- Travel : 0,90 mm (.035) approx.
- Operating temperature : -30°C to +85°C

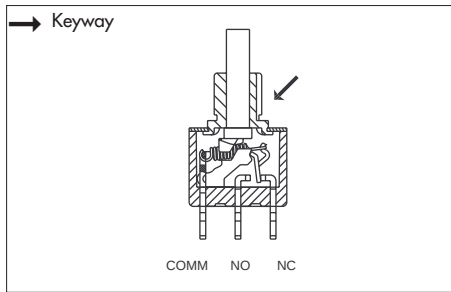
MATERIALS

- Case : diallylphthalate (DAP)
- Actuator : glass filled polyester
- Bushing : brass, nickel plated
- Housing : stainless steel
- Contacts : silver
- Terminal seal : epoxy

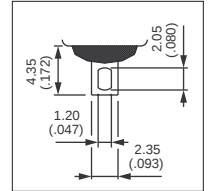
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

For high currents



- Threaded bushing $\varnothing 6,35$ (1/4)
- Solder lug terminals
- Epoxy sealed terminals



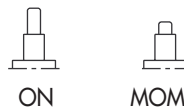
MODEL STRUCTURE



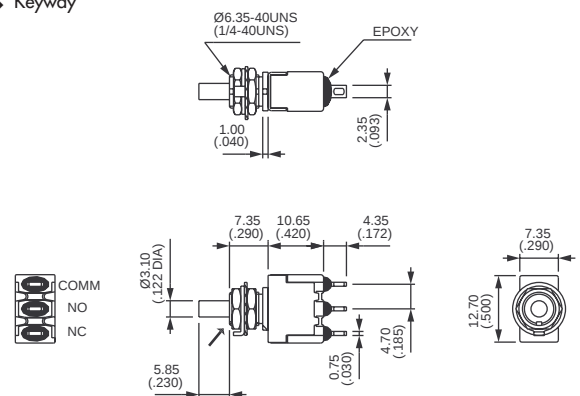
Single pole



18635A



→ Keyway



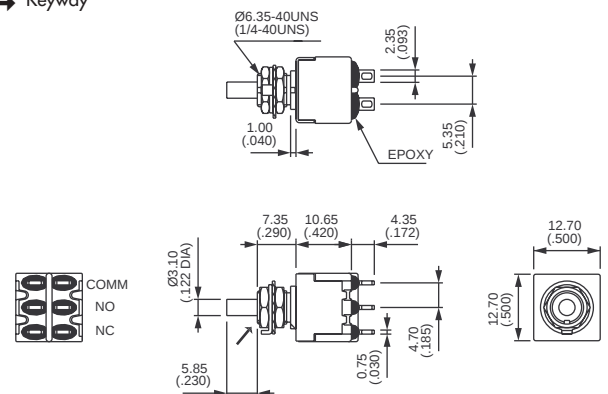
Double pole



18645A



→ Keyway



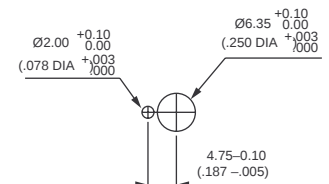
CAPS



Round	
U2400	$\varnothing 5$ (.196)
U2510	$\varnothing 8$ (.314)
U2130	$\varnothing 9,4$ (.370)
U2900	$\varnothing 10$ (.393)
U3400	$\varnothing 15$ (.590)

Square	
U910	Height 4 (.157)
U2340	Height 6 (.236)

PANEL CUT-OUT



For cap dimensions, see "Caps for $\varnothing 3,1$ (.122) plungers" on the preceding pages.

Mouser Electronics

Authorized Distributor

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[U482](#)