

607-587

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Overview

MODEL
STRUCTURE

18

SERIES

Number of poles

- 3 Single pole
4 Double pole

Terminals

- Blank Solder lugs or straight PC depending on model
W Right angle, horizontal mounting
WW Right angle, vertical mounting
Y Bracket mounting

Terminals and bushing

- 2 Straight PC or right angle terminals with plain bushing
5 Solder lug terminals with Ø 6,35 (1/4) threaded bushing.
7 Solder lug terminals with Ø 6,35 (1/4) flatted bushing.
8 Solder lug terminals, snap-in mounting
9 Straight PC terminals with Ø 6,35 (1/4) flatted bushing.

Electrical function

5 ON - MOM

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 bracketed numbers.



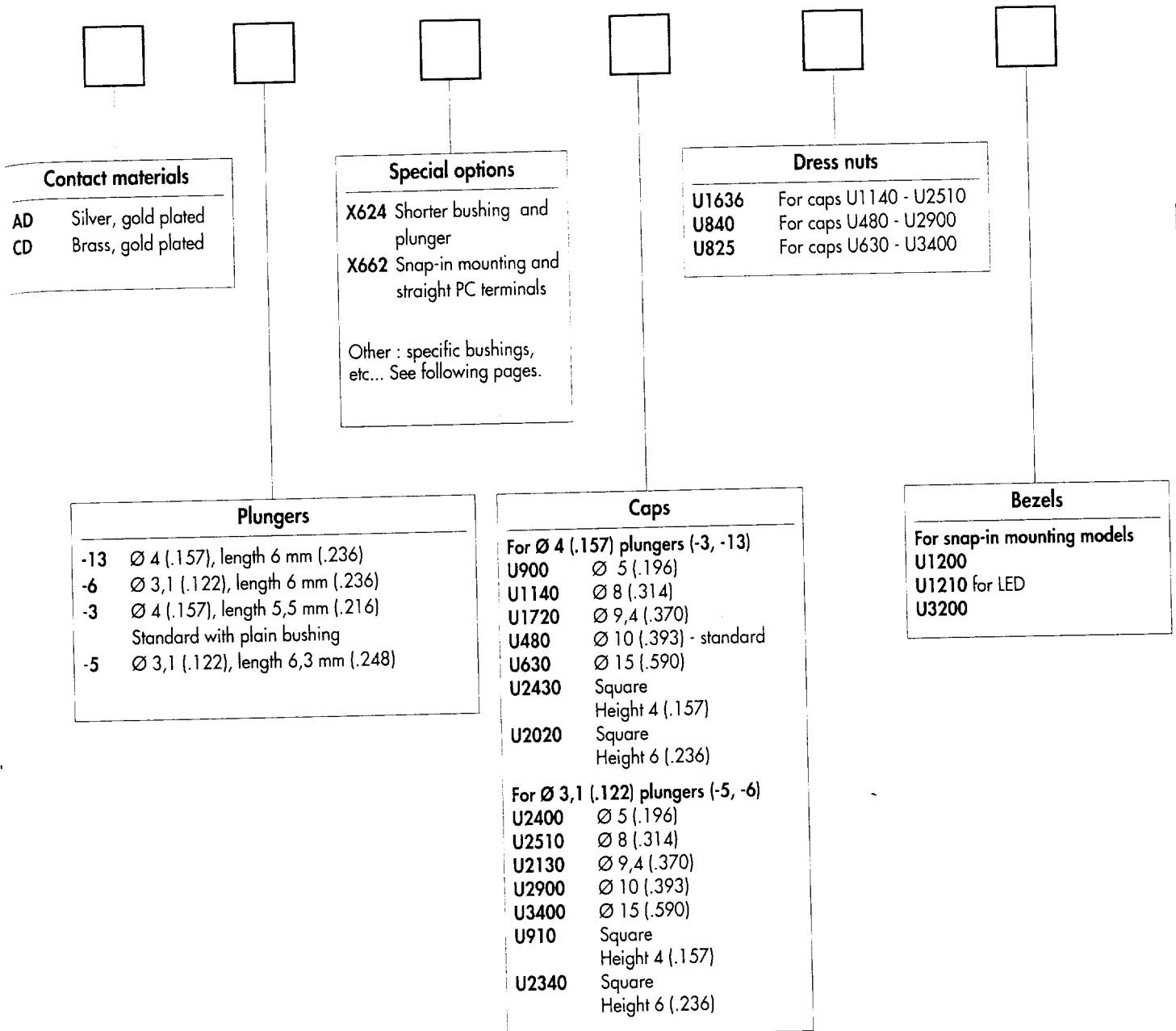
NOTICE : please note that not all combinations of above numbers are available.
Refer to the following pages for further information.

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SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

Overview

OPTIONS
• • •



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



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 G.



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

D

MATERIALS

- Case : diallylphthalate (DAP)
- 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

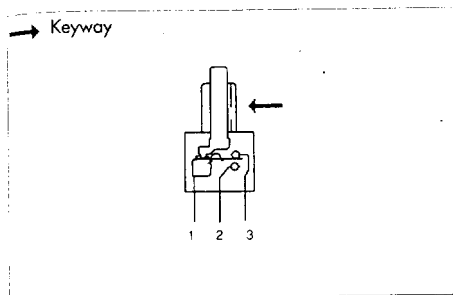
GENERAL SPECIFICATIONS

- Pre-travel : 0,25 mm (.009) - Over travel : 0,25 mm (.009)
Total travel : 0,5 mm (.019)
- Torque : 1,25 Nm (.922 Ft.lb) max. applied to nut
- Operating temperature : -30°C to +65°C

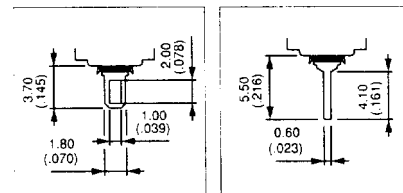
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES Threaded bushing Ø 6,35 (1/4) : 18500 - 18700 - 18200

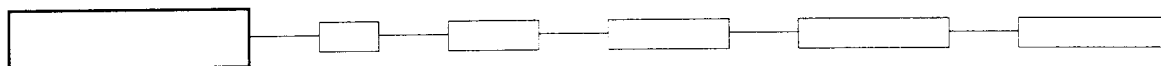
MODEL
STRUCTURE



- 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



ON

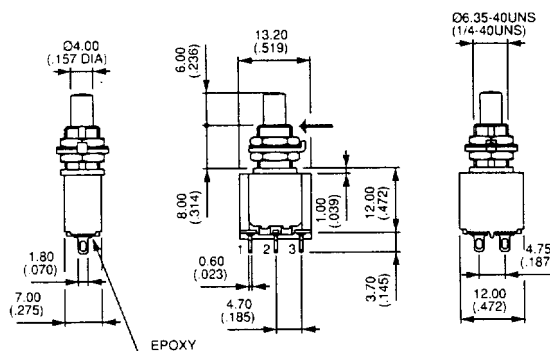


MOM



ON

MOM



Flatted bushing - solder lug terminals : 18700

→ Flat



Single pole
18735

Double pole
18745



ON

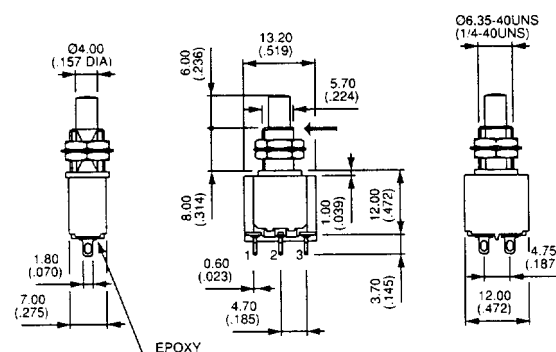


MOM



ON

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Straight PC terminals : 18200

→ Keyway



Single pole
18235

Double pole
18245



ON

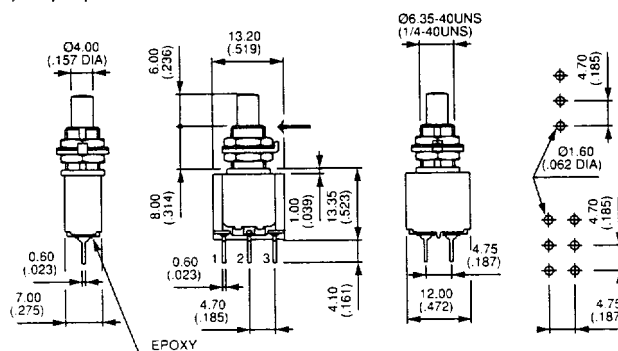


MOM



ON

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



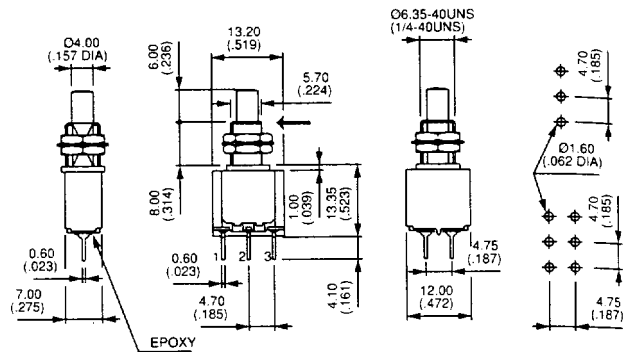
ON



MOM

ON

MOM



Snap-in mounting - solder lug terminals : 18800

Shown with cap U910



Single pole
18835

Double pole
18845



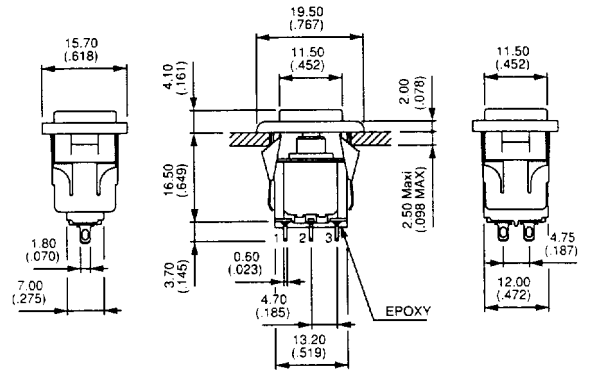
ON



MOM

ON

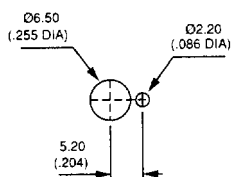
MOM



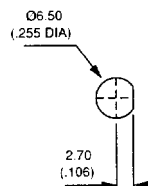
Available with straight PC terminals : see X662 under "Special options".

PANEL CUT-OUT

18500 - 18200

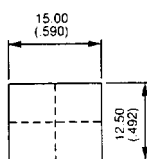


18700 - 18900

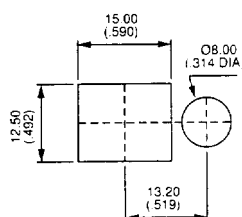


PANEL CUT-OUT

18800

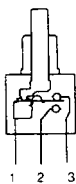


With bezels U1200 or U3200



With bezel U1210 for LED

Plain bushing : 18200Y - 18200W - 18200WW



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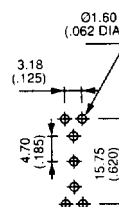
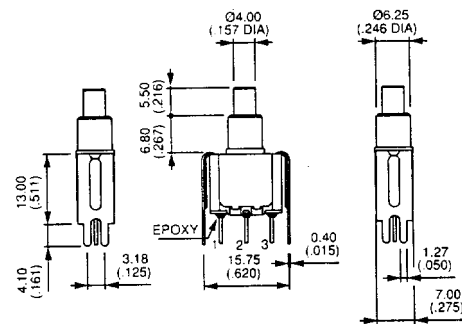
D



ON

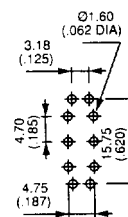
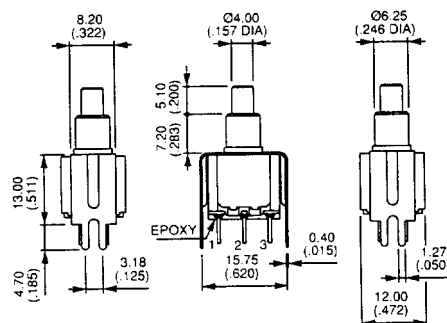


MOM



ON


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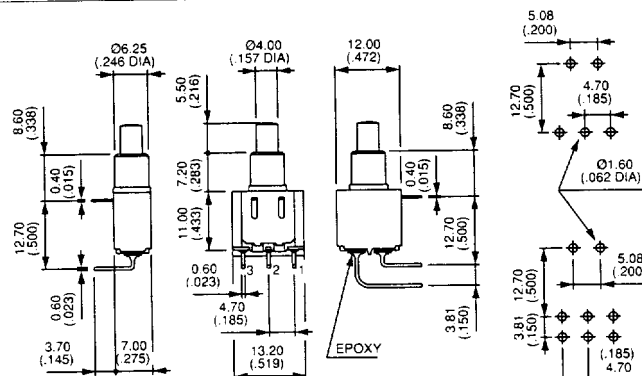
ON



MOM

ON

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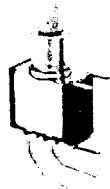


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SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS

Right angle terminals - vertical : 18200WW



Single pole
18235WW

Double pole
18245WW



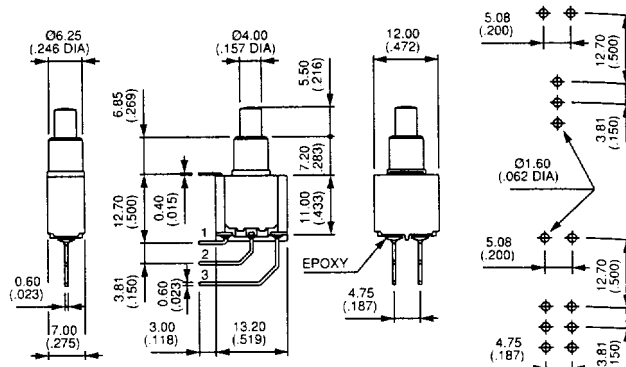
ON



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ON

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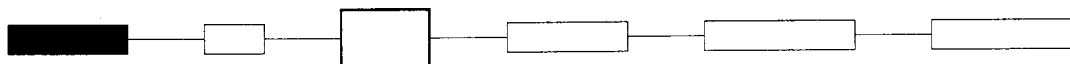


CONTACT MATERIALS

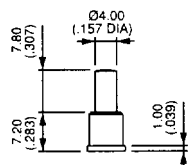


AD Silver, gold plated
CD Brass, gold plated

PLUNGERS

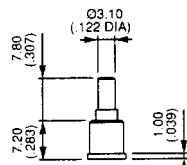


Dash compulsory before plunger code.



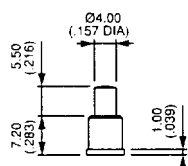
-13

Ø 4 (.157)



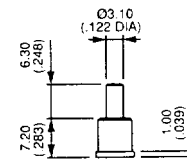
-6

Ø 3,1 (.122)



-3

Ø 4 (.157) - standard with plain bushing



-5

Ø 3,1 (.122)



PLUNGER LENGTH

On threaded bushing models,
plunger length will be reduced by
1,80 (.070).

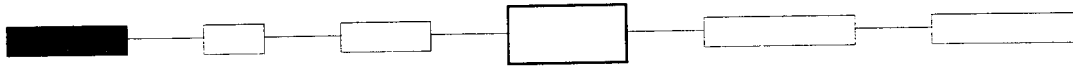
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS



SPECIAL OPTIONS



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

Single pole

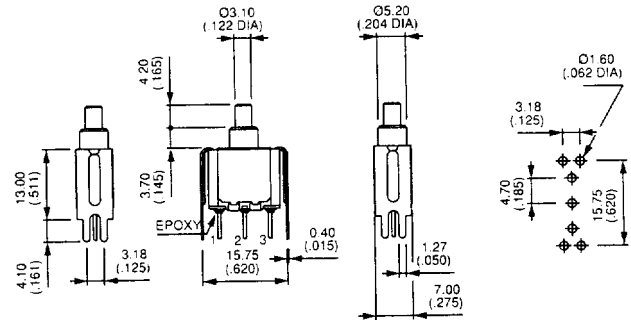
18235Y -2X624



ON



MOM



Double pole

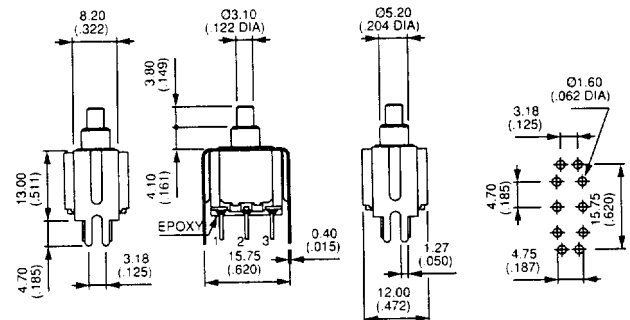
18245Y -2X624



ON



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X662 Snap-in mounting - straight PC terminals

Single pole
18835 X662

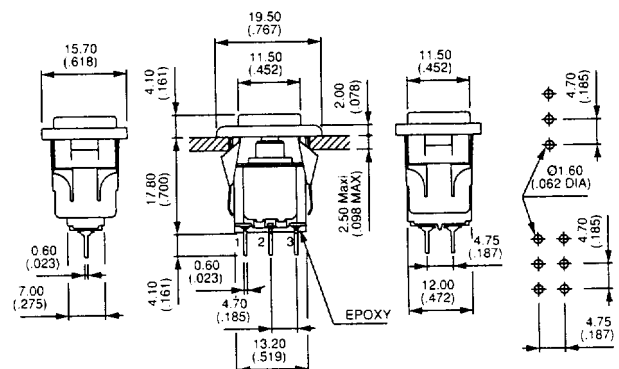
Double pole
18845 X662



ON



MOM



18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS



SPECIAL OPTIONS (continued)



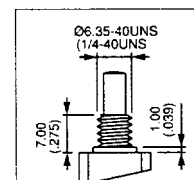
X371 Plain bushing $\varnothing$ 6,25 mm (.246) (instead of standard threaded bushing).

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

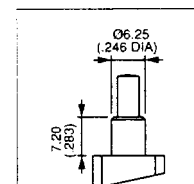
X386 Threaded bushing $\varnothing$ 6,35 mm (1/4) to replace plain bushing on models W - WW and Y.

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

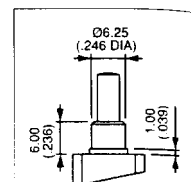
X765 Tin plated terminals



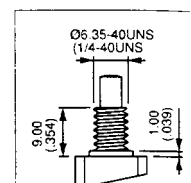
X372



X438



X371



X386

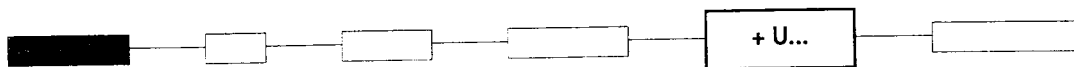
18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

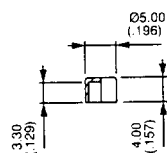
OPTIONS

146-245/246/247

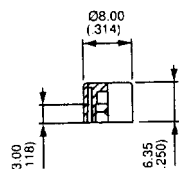
CAPS



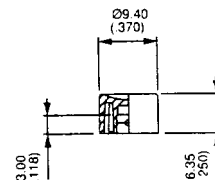
Caps for $\varnothing 4$ (.157) plungers (-13, -3)



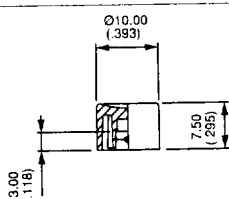
U900



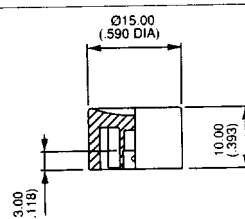
U1140



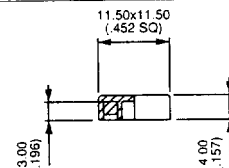
U1720



U480

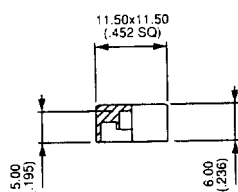


U630



U2430

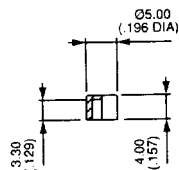
Square



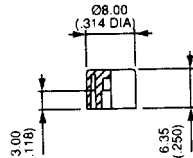
U2020

Square

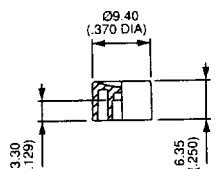
Caps for $\varnothing 3,1$ (.122) plungers (-5, -6)



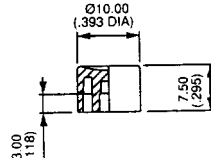
U2400



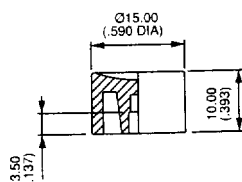
U2510



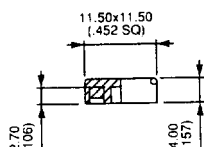
U2130



U2900

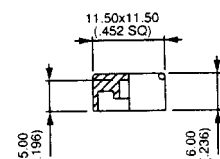


U3400



U910

Square



U2340

Square

Cap colours

Replace last "0" by number

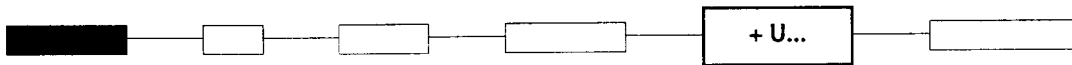
- 1 blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

18000 SERIES

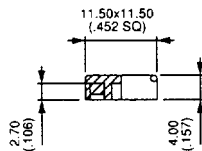
SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

OPTIONS

CAPS (continued)

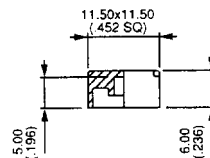


Caps for 18800 and 18800X662 models



U910

Square



U2340

Square

Cap colours

Replace "0" by number

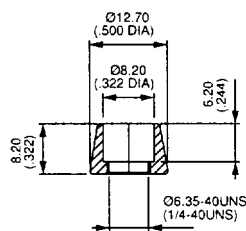
- 1 blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

DRESS NUTS



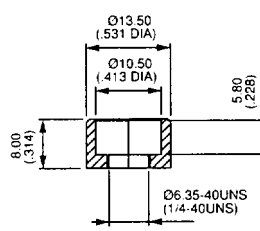
For models with threaded bushing (18500 - 18700 - 18200 - 18900)

Chrome plated



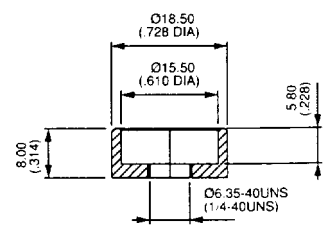
U1636

For caps U1140 and U2510



U840

For cap U480 and U2900



U825

For caps U630 and U3400

18000 SERIES

SNAP-ACTION MOMENTARY PUSHBUTTON SWITCHES

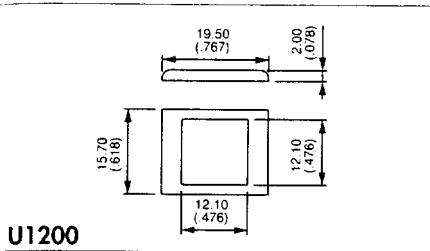
OPTIONS

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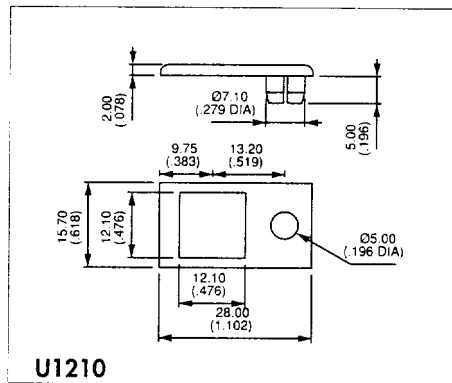
BEZELS



For snap-in models (18800 - 18800X662)

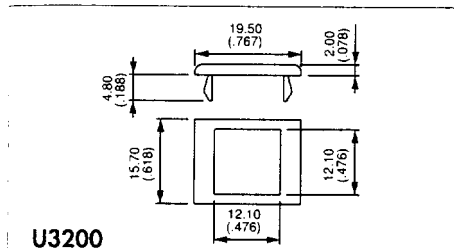


U1200



U1210

For LED



U3200

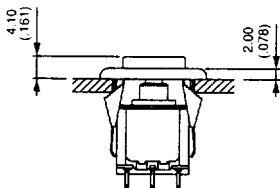
Bezel colours

Replace last "0" by number

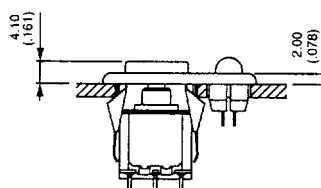
- 1 blue
- 2 black
- 3 green
- 4 grey
- 5 yellow
- 6 red
- 7 ivory
- 7/1 white
- 9 orange

STANDARD PANEL MOUNTING

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



18800 + U910 + U1200



18800 + U910 + U1210