

9400-9600 series

Momentary pushbutton switches



DISTINCTIVE FEATURES

Two case lengths

Three electrical functions

Sealing options

Model X1146 with Ø 16 (.630) bushing



ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
 - silver contact (A) : 1 A 30 VDC
 - gold plated contacts (CD) : 100 mA 30 VDC
- Initial contact resistance : 50 mΩ max.
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- Dielectric strength :
 - 1,000 Vrms 50 Hz min. between terminals
 - 1,500 Vrms 50 Hz min. between terminals and frame
- Electrical life : 250,000 cycles



GENERAL SPECIFICATIONS

- Total travel :

9600-9400-9400Y		9600N-9400N
Functions 3 and 5	Function 2	Function 3
1.3 mm	2 mm	0.9 mm

- Torque : 1.25 Nm (.922 Ft.lb) max. applied to nut
- Operating temperature : -30 °C to +65 °C (-22 °F to +149 °F)



MATERIALS

- Case : thermoplastic UL94-V0
- Actuator : polyamide, glass filled
- Bushing : brass, nickel plated
- Contacts :
 - A : silver
 - 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.

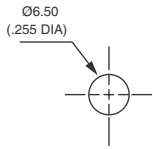


9400-9600 series

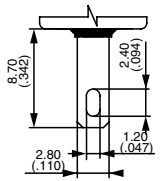
Momentary pushbutton switches



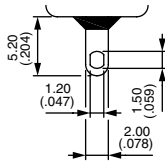
PANEL CUT-OUT



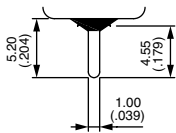
TERMINALS



9600Z1



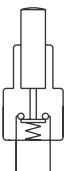
9600



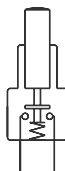
9400



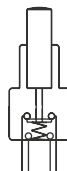
ELECTRICAL FUNCTIONS



Function 2 (NC)



Function 3 (NO)



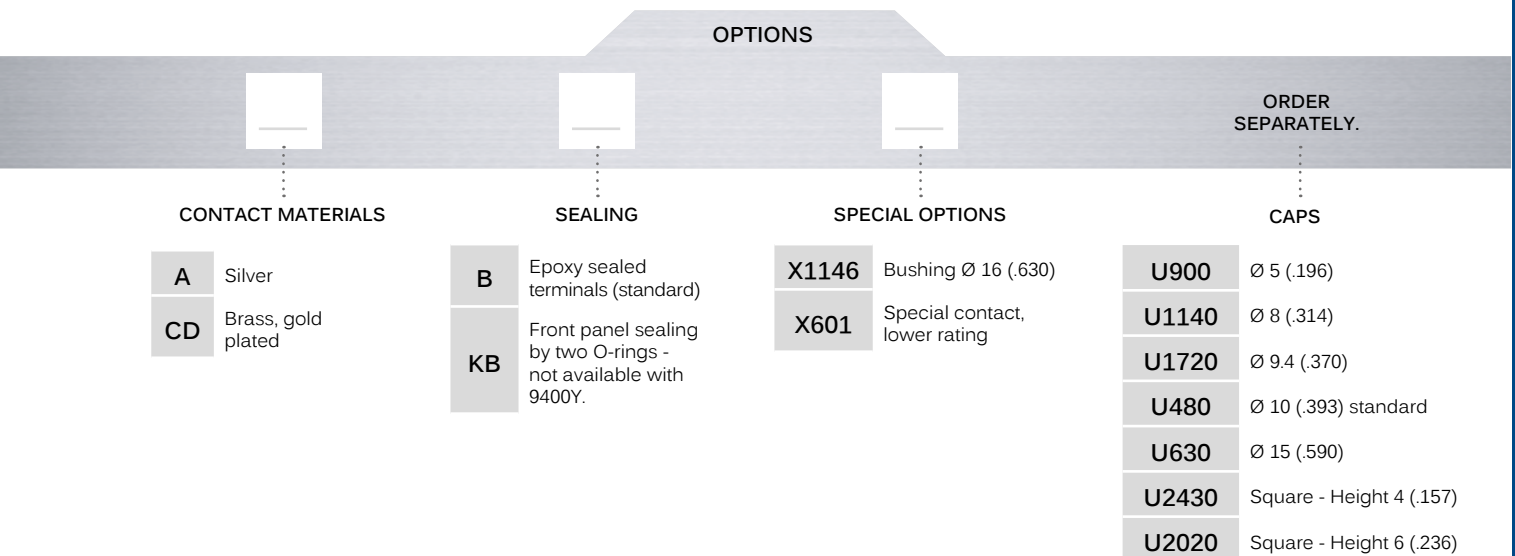
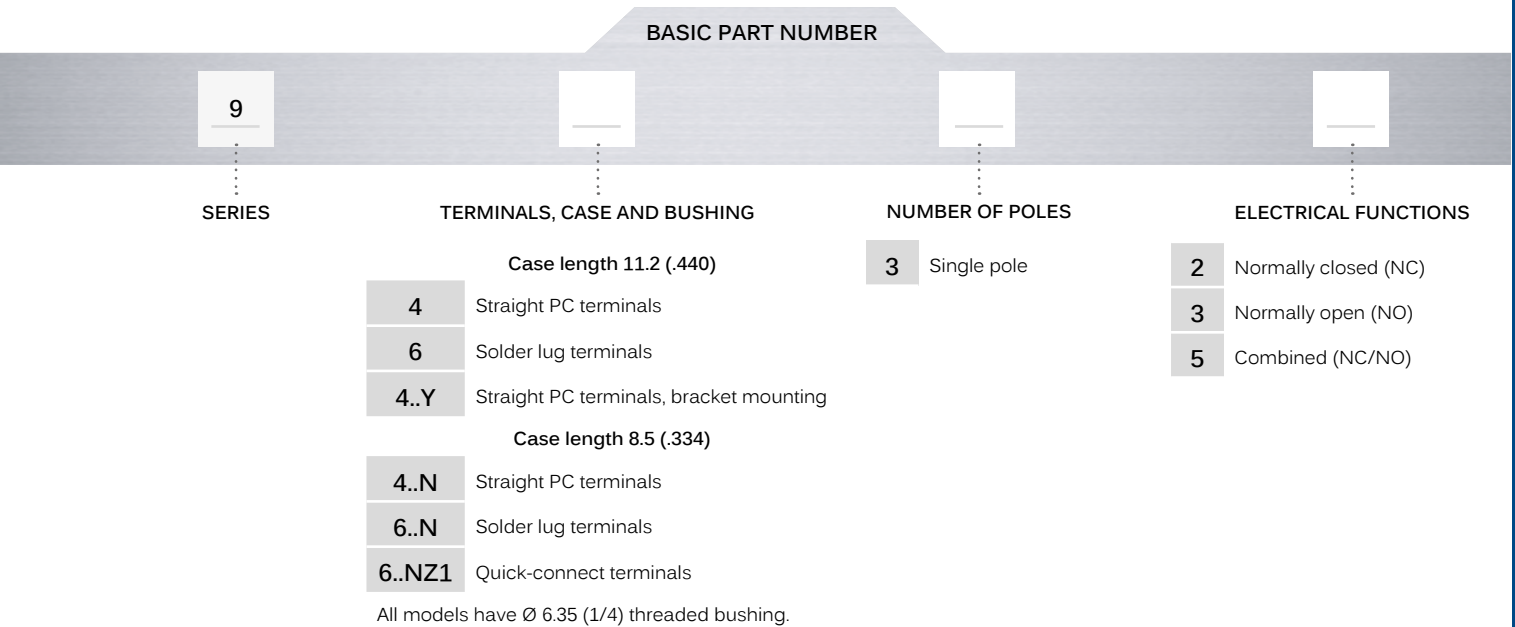
Function 5 (combined)

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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 and 1 lockwasher. Standard and special hardware available is presented in the "Hardware" section of website.


9400-9600 series

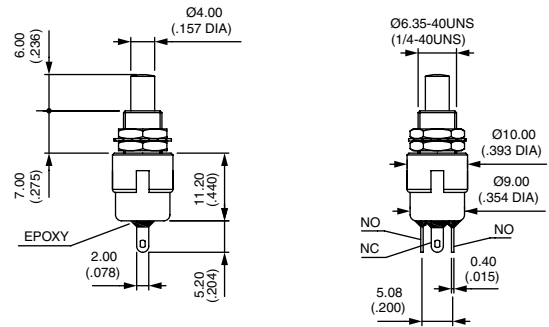
Momentary pushbutton switches

SOLDER LUG TERMINALS CASE LENGTH 11.2 (.440) : 9600



9632 B  Normally Closed


9635 B  Combined function




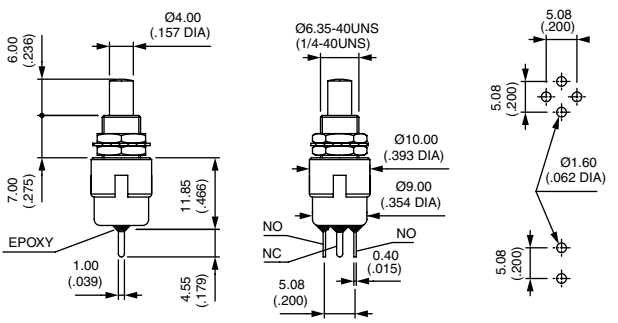
STRAIGHT PC TERMINALS CASE LENGTH 11.2 (.440) : 9400



9432 B  Normally Closed

9433 B  Normally Open


9435 B  Combined function



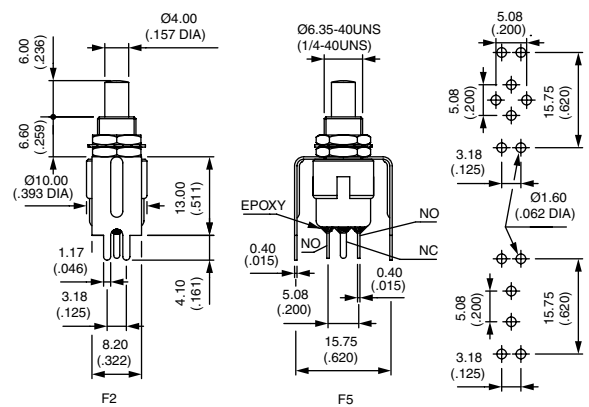
BRACKET MOUNTING CASE LENGTH 11.2 (.440) : 9400Y



9432Y B  Normally Closed

9433Y B  Normally Open


9435Y B  Combined function

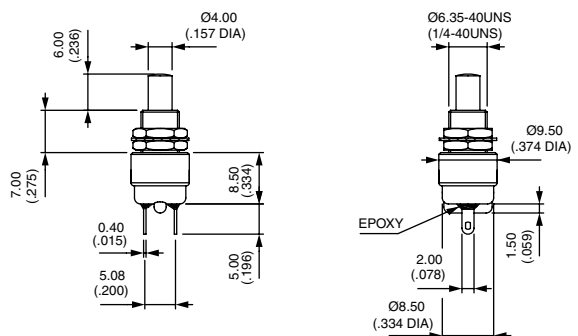


The bracket is not fastened to the switch.

SOLDER LUG TERMINALS CASE LENGTH 8.5 (.334) : 9600N



9633N B  Normally Open



Also available with quick-connect terminals 2.8 x 0.5 mm : 9633NZ1

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STRAIGHT PC TERMINALS CASE LENGTH 8.5 (.334) : 9400N




9433N B  Normally Open

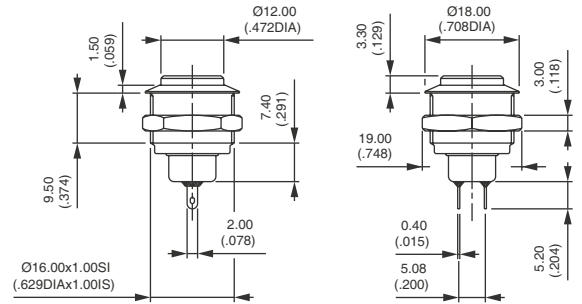
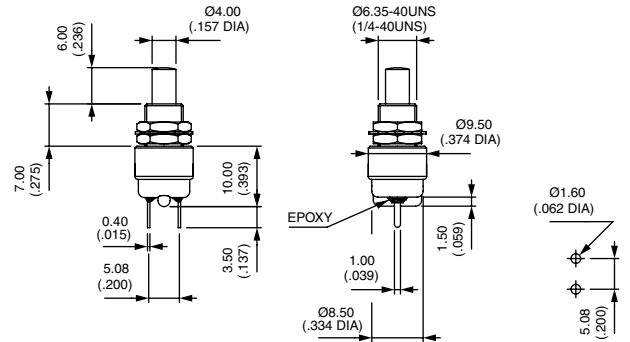
BUSHING Ø 16 (.630) METAL PLUNGER : 9633•X1146



Silver contact
9633ABX1146  Normally Open

Gold plated silver contacts
9633ADBX1146  Normally Open

Panel cut-out : Ø 16.2 (.637)
Max. current/voltage rating. : 1 A 30 VDC
Epoxy sealed terminals. Options of the following pages not applicable.



Hex nut 19 (.748) across flats

CONTACTS MATERIALS



- A Silver
- CD Brass, gold plated

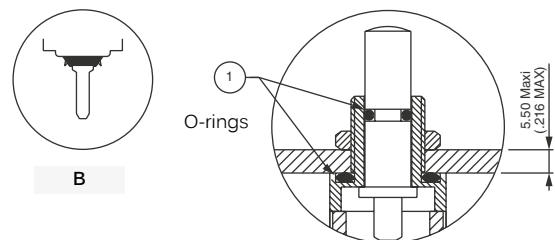
Special contact, lower rating : see X601 under "Special options".

SEALING



- B Epoxy sealed terminals (standard)
- KB Combined sealings
Epoxy sealed terminals + front panel sealing by two O-rings. Protects the switch against water and dust. Panel seal withstands 0.1 bar pressure. Option KB not available on 9400Y model.

Sealing boots : see "Sealing boots" section of website.

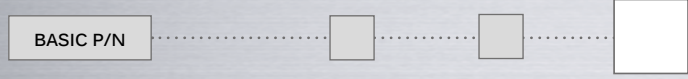


KB

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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.

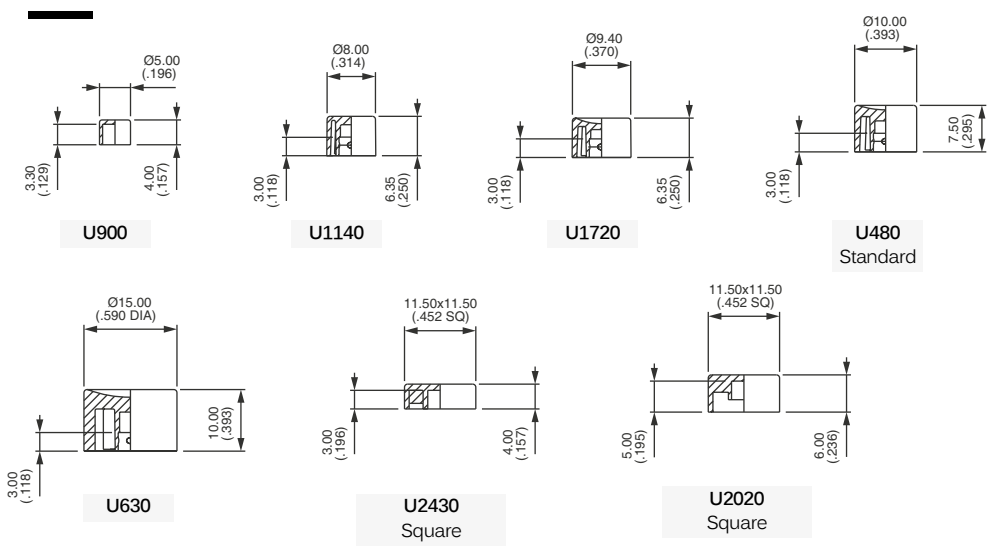
X1146 Model with dia. 16 (.630) bushing and metal plunger
 See previous page.

CAPS

Order separately.

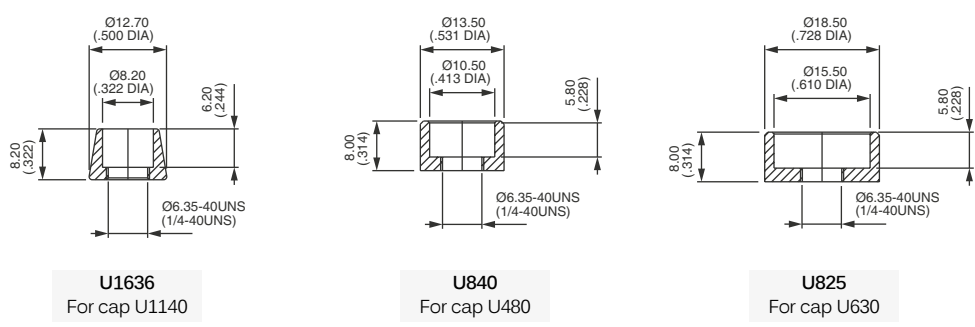
For cap colors, replace last "0" by number :

- 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](#)
[9533CD4+U574+U4922](#) [95-414.000](#) [99-450.837](#) [99-453.837](#) [PV3H2B0NN-341](#) [1203MRA](#) [A22NZBGANGA](#) [A22NZBMMNGA](#)
[A22NZBNANGA](#) [A22NZMPATRA](#) [A2PMA1X03EC56](#) [A3A-5123-02](#) [A3A-7140](#) [A3A-7310](#) [A3A-7340](#) [A3U-TMW-A2C-5M](#) [A595](#)