# 1200 series

## Momentary pushbutton switches - round plunger

*Distinctive features and specifications*



- ❑ **Butt action contacts, double break**
- ❑ **NF (EN 61058-1), UL and CSA approved**

B

### ELECTRICAL SPECIFICATIONS

- Max. current/voltage rating with resistive load :
  - silver contacts (A) : 4A 250VAC - 8A 125VAC - 4A 24VDC - 8A 12VDC
  - silver plated copper contacts. (C) : 2A 250VAC - 3A 125VAC 2A 24VDC - 3A 12VDC
- Initial contact resistance : 10 mΩ at 1A 2VDC
- Insulation resistance : 1.000 MΩ min. at 500VDC
- Dielectric strength :
  2.000 Vrms 50 Hz min. between terminals
  3.000 Vrms 50 Hz min. between terminals and frame
- Electrical life : 10.000 cycles at full load

### MATERIALS

- Case : polyamide
- Plunger : polyamide
- Bushing : brass, nickel plated
- Contacts :
  **A** : silver
  **C** : copper, silver plated

### GENERAL SPECIFICATIONS

- Torque : 1,50 Nm (1.10 Ft.lb) max. applied to nut
- Panel thickness :
  5 mm (.196) max.
- Total travel :
  NO : 4,5 (.177) +/- 0,3 (.011)
  NC : 3,5 (.137) +/- 0,3 (.011)
- Operating temperature :
  -20°C to +55°C

### AGENCY APPROVALS

NF EN 61058-1 — 2A 250VAC or 4A 250VAC, T55/125°C (all models, except 1212 and 1213)

4A 250VAC - 8A 125VAC

Models 1233X209 and 1233X209L are standard marked NF.
To order switches marked NF, UL or CSA, complete appropriate box of ordering format.

### ABOUT THIS SERIES

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

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

**Mounting accessories** : standard hardware supplied :
- silver contact models : 1 hex nut U166 and 1 knurled nut U411
- copper contact models : 1 hex nut U42 and 1 knurled nut U411

Standard and special hardware are presented in section I.

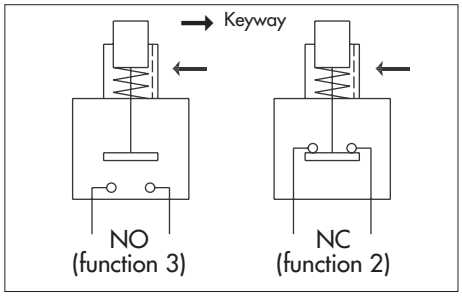
**Packaging unit** : 40 pieces, except model 1200.L (50 pieces).

# 1200 series

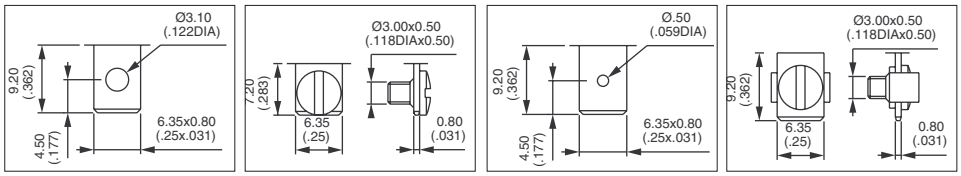
## Momentary pushbutton switches - round plunger

*Solder lug/quick-connect terminals - screw terminals*

MODEL STRUCTURE




- Single pole configurations
- Approved models : see following pages
- Panel cut-out : Ø 12,2 (.480)




121. 122. 123. 120.

**MODEL STRUCTURE**



Plunger height : NO model : 7,50 mm, NC model : 5,80 mm

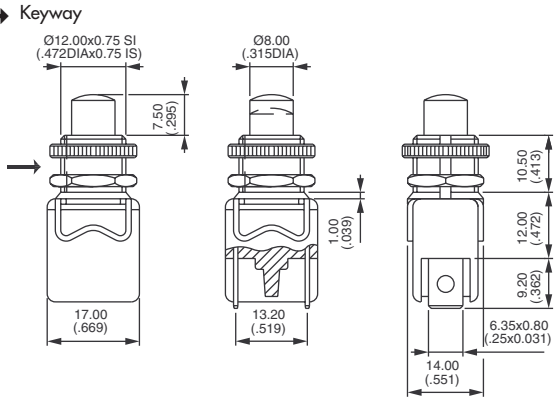
B

### Solder lug/quick-connect terminals



**1212** Normally Closed

**1213** Normally Open

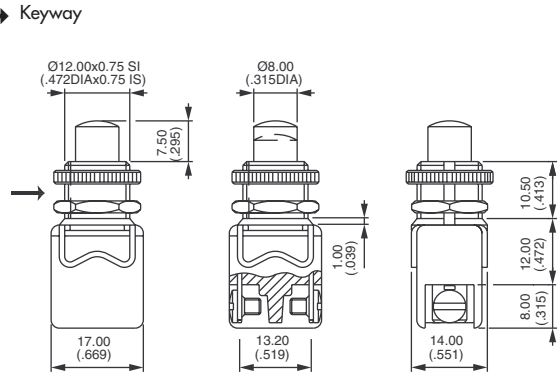



### Screw terminals



**1222** Normally Closed

**1223** Normally Open

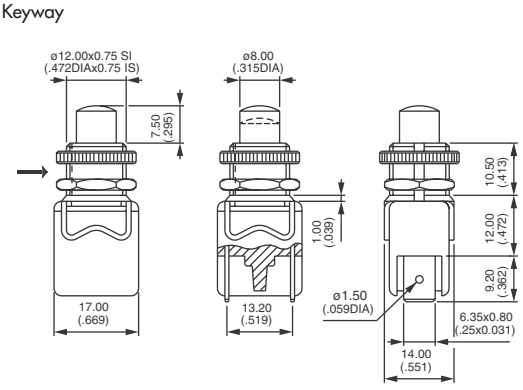



### Normalized quick-connect terminals



**1232** Normally Closed

**1233** Normally Open



MODEL STRUCTURE

# 1200 series

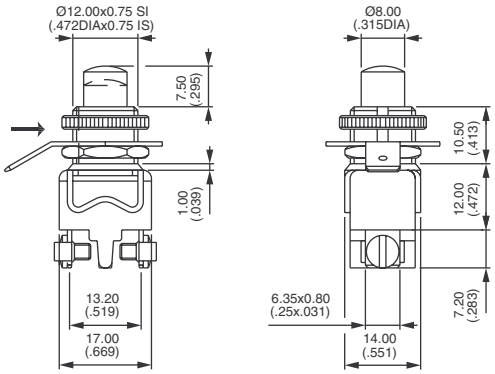
## Momentary pushbutton switches - round plunger

Plunger height : NO model : 7,50 mm, NC model : 5,80 mm

### Straight screw terminals + clamp



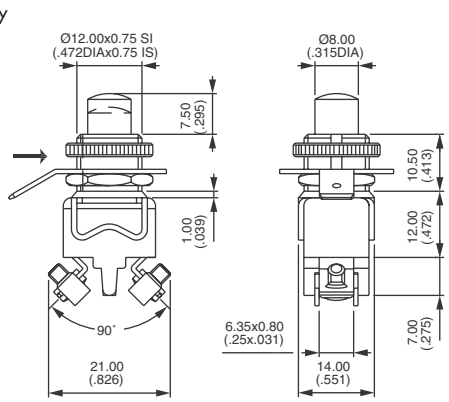
| | | |
|---|---|---|
| **1202** |  | Normally Closed |
| **1203** |  | Normally Open |




### Right angle screw terminals + clamp

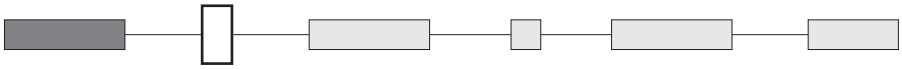


| | | |
|---|---|---|
| **1203-7** |  | Normally Open |



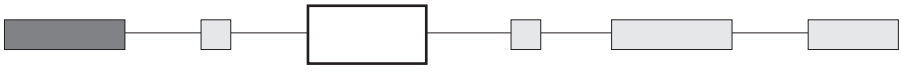

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### CONTACT MATERIALS



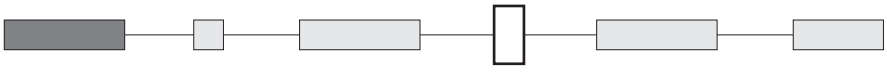
**A** Silver
**C** Copper, silver plated

### FINISH



**LUXE** Chrome plated cap nut U117 instead of knurled nut U411

### PLUNGER COLOURS



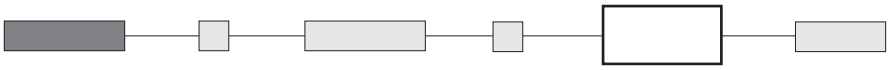
**2** : Black - **3** : Green - **6** : Red - **7/1** : White

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OPTIONS

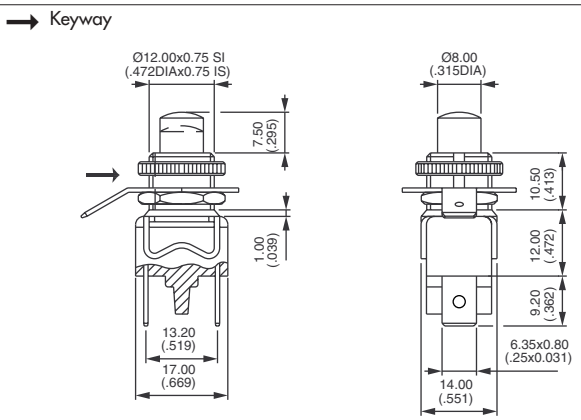
### SPECIAL MODELS



**X209** NF standard marked - Silver contacts



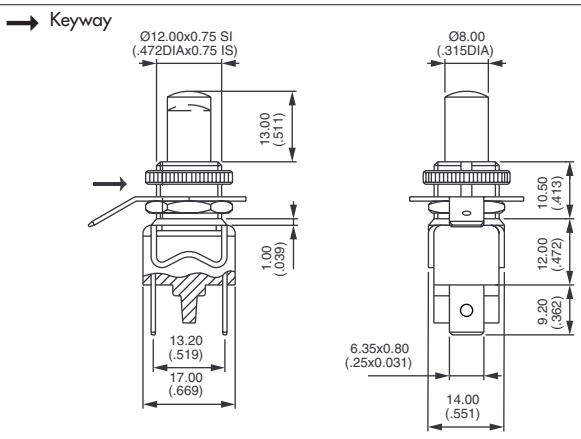
**1233AX209**  Normally open




**X209L** NF standard marked - Silver contacts

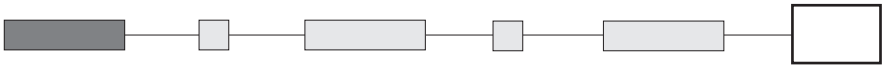


**1233AX209L**  Normally open




**NOTE** : Ground connector **U187** compulsory on models X209 and X209L if the panel is not metallic or not connected to ground. Order separately : see section I.

### AGENCY APPROVALS



**NF** All models, except 1212 and 1213.

**UL-CSA** All models, including X209 and X209L

**Marking** : to order switches marked NF, UL or CSA, complete above box with desired approvals.