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.
8000 series

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.

TERMINALS

Solder lug

Straight PC

PANEL CUT-OUT

Standard

With K sealing option

ELECTRICAL FUNCTIONS

Funct. 6 (ON-ON)

Funct. 2 (ON-MOM)
## BUILD YOUR PART NUMBER

### BASIC PART NUMBER

<table>
<thead>
<tr>
<th>SERIES</th>
<th>TERMINALS AND BUSHINGS</th>
<th>NUMBER OF POLES</th>
<th>ELECTRICAL FUNCTIONS</th>
<th>TERMINALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>Blank</td>
</tr>
<tr>
<td></td>
<td>Straight PC or right angle terminals</td>
<td>Single pole</td>
<td>ON - MOM</td>
<td>Solder lug terminals</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>W</td>
</tr>
<tr>
<td></td>
<td>Solder lug terminals</td>
<td>Double pole</td>
<td>ON - ON</td>
<td>Right angle</td>
</tr>
</tbody>
</table>

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

### OPTIONS

#### 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)
  + Flatted bushing Ø 11.9 (15/32) + front panel sealing
- **X934**

#### SEALING BOOTS

- **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)

### APPROVAL

- **UL** Consult factory for details of approved models.

### CAPS

- **U900**
- **U1140**
- **U1720**
- **U480**
- **U630**
- **U2430**
- **U2020**

## 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. Standard and special hardware available is presented in the "Hardware" section of website.
8000 series

Momentary or alternate action pushbutton switches

SOLDER LUG TERMINALS : 8600

<table>
<thead>
<tr>
<th>Single pole</th>
<th>Double pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>8632 ON</td>
<td>8642 ON</td>
</tr>
<tr>
<td>8636 MOM</td>
<td>8646 ON</td>
</tr>
</tbody>
</table>

STRAIGHT PC TERMINALS : 8400

<table>
<thead>
<tr>
<th>Single pole</th>
<th>Double pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>8432 ON</td>
<td>8442 ON</td>
</tr>
<tr>
<td>8436 MOM</td>
<td>8446 ON</td>
</tr>
</tbody>
</table>

RIGHT ANGLE TERMINALS

HORIZONTAL : 8400W

<table>
<thead>
<tr>
<th>Single pole</th>
<th>Double pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>8432W ON</td>
<td>8442W ON</td>
</tr>
<tr>
<td>8436W ON</td>
<td>8446W ON</td>
</tr>
</tbody>
</table>

KEYWAY

Shown with standard plunger
8000 series
Momentary or alternate action pushbutton switches

CONTACT MATERIALS

BASIC P/N

<table>
<thead>
<tr>
<th>BASIC P/N</th>
<th>CONTACT MATERIALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Silver</td>
</tr>
<tr>
<td>AD</td>
<td>Silver, gold plated</td>
</tr>
<tr>
<td>CD</td>
<td>Brass, gold plated</td>
</tr>
</tbody>
</table>

SEALING

BASIC P/N

<table>
<thead>
<tr>
<th>BASIC P/N</th>
<th>SEALING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>No sealing</td>
</tr>
<tr>
<td>K</td>
<td>Frontal sealing by O-ring and sealing washer. Protects the switch against water and dust. Panel seal withstands 1 bar pressure.</td>
</tr>
<tr>
<td>B</td>
<td>Epoxy sealed terminals</td>
</tr>
<tr>
<td>KB</td>
<td>Combined sealings</td>
</tr>
</tbody>
</table>

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

PLUNGERS

BASIC P/N

Dash compulsory before plunger code.

FOR Ø 6.35 (1/4) BUSHING

FOR Ø 11.9 (15/32) BUSHING (X718 MODELS)
Momentary or alternate action pushbutton switches

### 8000 series

**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 (0.59 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**

---

### UL

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

Order separately
Chrome plated.

U1140
U1720
U480
Standard
U900
U1200
U2430
Square
U2020
Square
U2430
For large plunger -6 only.