# Sealing boots

UG1006-A



- ❑ **Prevent dust, sand and water from getting into switches.**
- ❑ **On toggle versions, also prevent ice from blocking lever action**
- ❑ **Compatible with frontal sealing options (K and X408).**
- ❑ **Available in a wide range of colours.**
- ❑ **When necessary, a sealing ring or washer is supplied with the boot.**

## MATERIALS AND SPECIFICATIONS

- Boot material : neoprene or silicone (see comparative advantages below)
- Nut material : brass, nickel plated or matt black
- Operating temperature :
  - neoprene boots : -20°C to +50°C
  - silicone boots : -40°C to + 85°C

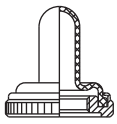
++ : excellent, + : good, - : poor

| COMPARATIVE ADVANTAGES | TEMPERATURE RANGE | | ELASTICITY | MECHANICAL RESISTANCE |
|---|---|---|---|---|
| | LOW | HIGH | | |
| Silicone | ++ | ++ | ++ | - |
| Neoprene | - | + | - | ++ |

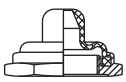
## DIFFERENT TYPES OF BOOTS

* Colour options available

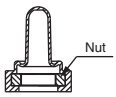
**Full-toggle (standard) ***



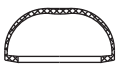
**Half-toggle ***



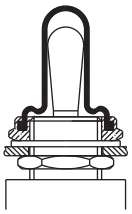
**Two-part (no metal parts accessible) ***

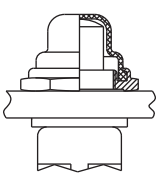


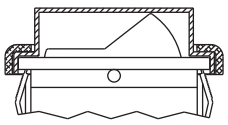

**For double sealing**



## EXAMPLES OF MOUNTING







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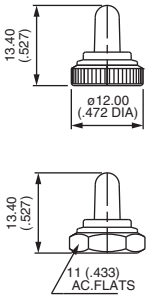
# Sealing boots

## For toggle switches

### For bushing Ø 6 x 0.75 (.236 x 0.75) - 5500 series



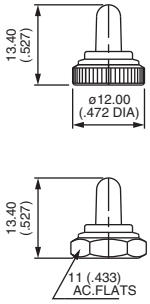
| NUT | FULL-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| **Knurled** Nickel plated | **U1341** | **U1341-6** | **U1341-3** | **U1341-7** |
| **Knurled** Matt black | **U1343** | **U1343-6** | **U1343-3** | **U1343-7** |
| **Hex** Nickel plated | **U1302** | **U1302-6** | **U1302-3** | **U1302-7** |
| **Hex** Matt black | **U1304** | **U1304-6** | **U1304-3** | **U1304-7** |




### For bushing Ø 6,35-40NS (1/4-40UNS) - 5000 and 11000 series



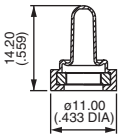
| NUT | FULL-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| **Knurled** Nickel plated | **U1331** | **U1331-6** | **U1331-3** | **U1331-7** |
| **Knurled** Matt black | **U1333** | **U1333-6** | **U1333-3** | **U1333-7** |
| **Hex** Nickel plated | **U1229** | **U1229-6** | **U1229-3** | **U1229-7** |
| **Hex** Matt black | **U1231** | **U1231-6** | **U1231-3** | **U1231-7** |




### For bushing Ø 6,35-40NS (1/4-40UNS) - 5000 and 11000 series



| BOOTS SUPPLIED AS 2 SEPARATE PARTS | | | | |
|---|---|---|---|---|
| NEOPRENE | SILICONE | | | |
| Black | Red | Green | White | |
| **U5149** | **U5149-6** | **U5149-3** | **U5149-7** | |

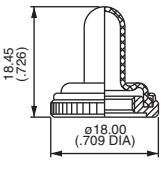



Once the boot is mounted onto the panel, no switch metal part is accessible any more.

### For bushing Ø 10 x 0.75 (.393 x 0.75) - 10600 series



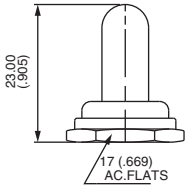
| KNURLED NUT | FULL-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1612** | **U1612-6** | **U1612-3** | **U1612-7** |
| Matt black | **U1614** | **U1614-6** | **U1614-3** | **U1614-7** |




### For bushing Ø 11,9-32 NS (15/32-32NS) - 12000, 5000M, 3500 and 6000 series



| HEX NUT | FULL-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1031** | **U1031-6** | **U1031-3** | **U1031-7** |
| Matt black | **U1024** | **U1024-6** | **U1024-3** | - |




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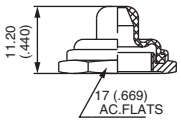
# Sealing boots

For toggle switches

## For bushing Ø 11,9-32 NS (15/32-32NS) - 12000, 3500 and 6000 series



| HEX NUT | HALF-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1600** | **U1600-6** | **U1600-3** | **U1600-7** |
| Matt black | **U1602** | **U1602-6** | **U1602-3** | - |

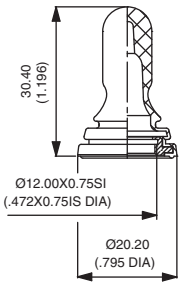



## For bushing Ø 11,9-32 NS (15/32-32NS) - 12000, 3500, 3600 and 600 series



*New!*

| FULL-TOGGLE BLACK NEOPRENE BOOT |
|---|
| **U2252** |

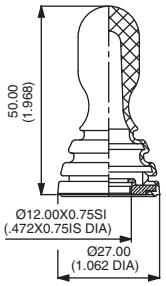



## For bushing Ø12 x 0.75 SI (.472x.075 IS) - 600 and 3600 series with X2243 long lever



*New!*

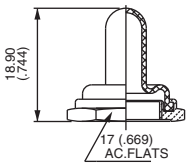
| FULL-TOGGLE BLACK NEOPRENE BOOT |
|---|
| **U2197** |




## For bushing Ø12 x 0.75 SI (.472x.075 IS) - 4450, 4650 and 1600 series



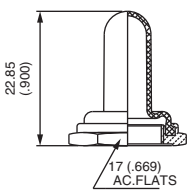
| HEX NUT | FULL-TOGGLE BLACK NEOPRENE BOOTS |
|---|---|
| Nickel plated | **U09** |
| Matt black | **U223** |




## For bushing Ø 12 x 0.75 SI (.472x.075 IS) - 600H, 660, 1000, 1500 and 3600



| HEX NUT | FULL-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1565** | **U1565-6** | **U1565-3** | **U1565-7** |
| Matt black | **U1567** | **U1567-6** | **U1567-3** | - |
| | FULL-TOGGLE BLACK NEOPRENE BOOTS | | | |
| Nickel plated | **U851** | | | |
| Matt black | **U853** | | | |




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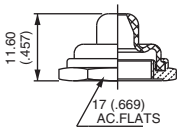
# Sealing boots

For toggle switches or pushbutton switches

## For bushing Ø 12 x 0.75 SI (.472x.075 IS) - 600H, 660, 1000 and 3600 series



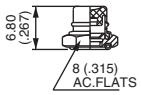
| HEX NUT | HALF-TOGGLE SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1151** | **U1151-6** | **U1151-3** | **U1151-7** |
| Matt black | **U1153** | **U1153-6** | **U1153-3** | - |
| | HALF-TOGGLE BLACK NEOPRENE BOOTS | | | |
| Nickel plated | **U598** | | | |
| Matt black | **U600** | | | |




## For bushing Ø 4 x 0.70 (.157 x 0.70) - 9500 series



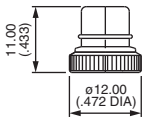
| HEX NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1829** | **U1829-6** | **U1829-3** | **U1829-7** |
| Matt black | **U1831** | **U1831-6** | **U1831-3** | **U1831-7** |

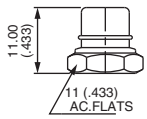



## For bushing Ø 6,35-40NS (1/4-40UNS) - 18000, 9000 and 13000 series



| NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| **Knurled** Nickel plated | **U1401** | **U1401-6** | **U1401-3** | **U1401-7** |
| **Knurled** Matt black | **U1403** | **U1403-6** | **U1403-3** | **U1403-7** |
| **Hex** Nickel plated | **U1318** | **U1318-6** | **U1318-3** | **U1318-7** |
| **Hex** Matt black | **U1320** | **U1320-6** | **U1320-3** | **U1320-7** |

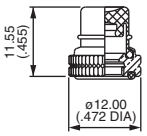



## For bushing Ø 6,35-40NS (1/4-40 UNS) - 8000 series



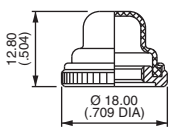
| KNURLED NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U4301** | **U4301-6** | **U4301-3** | **U4301-7** |




## For bushing Ø 10 x 0.75 (.393 x 0.75) - 10400 series



| KNURLED NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1624** | **U1624-6** | **U1624-3** | **U1624-7** |
| Matt black | **U1626** | **U1626-6** | **U1626-3** | **U1626-7** |




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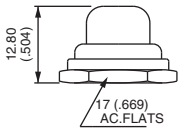
# Sealing boots

For pushbutton switches

## For bushing Ø 11,9-32 NS (15/32-32UNS) - 13000X778, 13000X768 and 8000-6X934 series



| HEX NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U589** | **U589-6** | **U589-3** | **U589-7** |
| Matt black | **U590** | **U590-6** | **U590-3** | - |

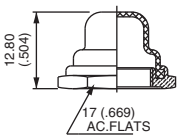



For long plunger (-9) care should be taken over the panel thickness.

## For bushing Ø 12 x 0.75 SI (.472x.075 IS) - 1200, 4700 and 4800 series



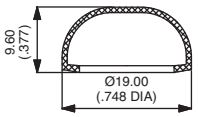
| HEX NUT | PUSHBUTTON SILICONE BOOTS | | | |
|---|---|---|---|---|
| | Black | Red | Green | White |
| Nickel plated | **U1654** | **U1654-6** | **U1654-3** | **U1654-7** |
| Matt black | **U1656** | **U1656-6** | **U1656-3** | - |
| | PUSHBUTTON BLACK NEOPRENE BOOTS | | | |
| Nickel plated | **U31** | | | |
| Matt black | **U225** | | | |
| Chrome plated | **U224** | | | |




## For double sealing on IP and IB-IS series



| SILICONE BOOT | |
|---|---|
| Transparent | **U5125** |
| Blue | **U5125-1** |
| Black | **U5125-2** |
| Red | **U5125-6** |

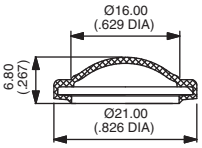



Operating temperature : -40°C to +85°C
The flat seal or O-Ring supplied with the switch should not be used with this boot.

## For double sealing on IA series



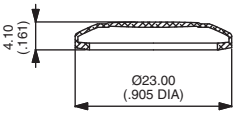
| SILICONE BOOT | |
|---|---|
| Black | **U6602** |
| Yellow | **U6605** |
| Red | **U6606** |




## For AV series (models with Ø 19 mm bushing)



| SILICONE BOOT | |
|---|---|
| Black | **U2187-2** |
| Green | **U2187-3** |
| Grey | **U2187-4** |
| Yellow | **U2187-5** |
| Red | **U2187-6** |
| White | **U2187-7** |
| Transparent | **U2187-8** |




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# Sealing boots

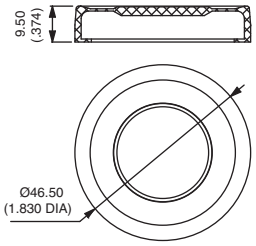
## For pushbutton switches or rocker switches

### For LPI series

*New!*



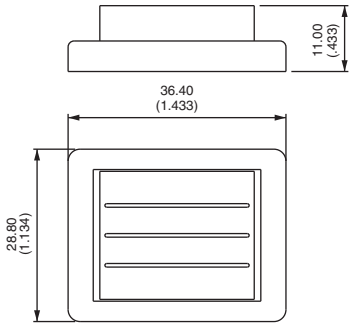
| SILICONE BOOT | |
|---|---|
| Black | **U3082** |
| Transparent | **U3088** |




### For 2600 series



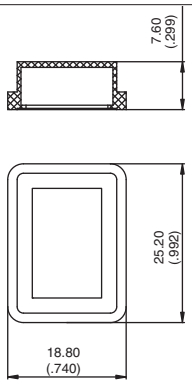
| TRANSPARENT SILICONE BOOT |
|---|
| **U2150** |




### For FM series



| TRANSPARENT PVC BOOT |
|---|
| **U5720** |



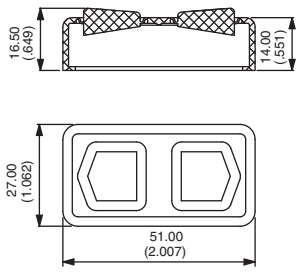

### For KG series

*New!*



| BLACK SILICONE BOOT |
|---|
| **U3084** |

Also available with pad-printed symbols : on request.




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