Sealing boots

UG1410A



- ❑ **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 black
- Operating temperature :
  - neoprene boots : -20°C to +50°C
  - silicone boots : -40°C to + 85°C

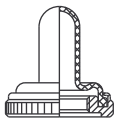
++ : excellent, + : good, - : poor

Comparative advantages	Temperature range		Elasticity	Mechanical resistance
	Low	High		
Silicone	++	++	++	-
Neoprene	-	+	-	++

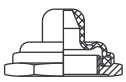
DIFFERENT TYPES OF BOOTS

* Colour options available

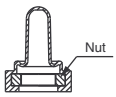
Full-toggle (standard) *



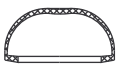
Half-toggle *



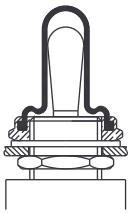
Two-part (no metal parts accessible) *

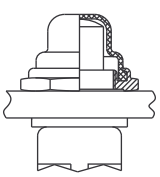


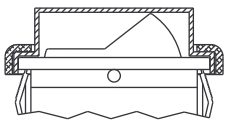
For double sealing



EXAMPLES OF MOUNTING







The company reserves the right to change specifications without notice.

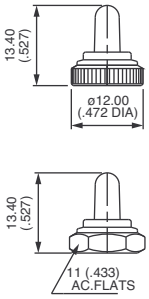
Sealing boots

For toggle switches

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



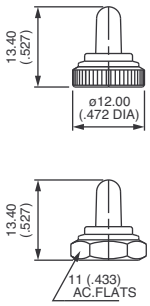
NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	**N32161005** (U1341)	**N32162005** (U1341-6)	**N3216V005** (U1341-3)	**N3216B005** (U1341-7)
Knurled Black	**N32161002** (U1343)	**N32162002** (U1343-6)	**N3216V002** (U1343-3)	**N3216B002** (U1343-7)
Hex Nickel plated	**N32121005** (U1302)	**N32122005** (U1302-6)	**N3212V005** (U1302-3)	**N3212B005** (U1302-7)
Hex Black	**N32121002** (U1304)	**N32122002** (U1304-6)	**N3212V002** (U1304-3)	**N3212B002** (U1304-7)



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



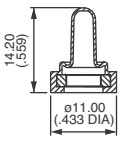
NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	**N33161005** (U1331)	**N33162005** (U1331-6)	**N3316V005** (U1331-3)	**N3316B005** (U1331-7)
Knurled Black	**N33161002** (U1333)	**N33162002** (U1333-6)	**N3316V002** (U1333-3)	**N3316B002** (U1333-7)
Hex Nickel plated	**N33121005** (U1229)	**N33122005** (U1229-6)	**N3312V005** (U1229-3)	**N3312B005** (U1229-7)
Hex Black	**N33121002** (U1231)	**N33122002** (U1231-6)	**N3312V002** (U1231-3)	**N3312B002** (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
N33136119 (U5149)	**N33137119** (U5149-6)	**N3313V119** (U5149-3)	**N3313B119** (U5149-7)

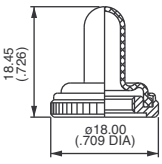


Once the boot is mounted onto the panel, no switch metal part is accessible any more.

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



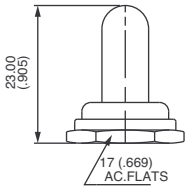
KNURLED NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N34151005** (U1612)	**N34152005** (U1612-6)	**N3415V005** (U1612-3)	**N3415B005** (U1612-7)
Black	**N34151002** (U1614)	**N34152002** (U1614-6)	**N3415V002** (U1614-3)	**N3415B002** (U1614-7)



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	**N35111005** (U1031)	**N35112005** (U1031-6)	**N3511V005** (U1031-3)	**N3511B005** (U1031-7)
Black	**N35111002** (U1024)	**N35112002** (U1024-6)	**N3511V002** (U1024-3)	-



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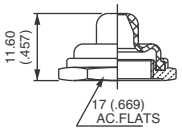
Sealing boots

For toggle switches

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



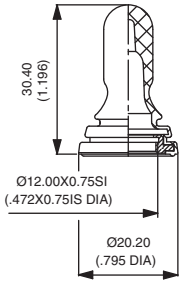
HEX NUT	HALF-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N35111015** (U1600)	**N35112015** (U1600-6)	**N3511V015** (U1600-3)	**N3511B015** (U1600-7)
Black	**N35111012** (U1602)	**N35112012** (U1602-6)	**N3511V012** (U1602-3)	-



For bushing Ø12 x 0.75 SI (.472x.075 IS) - 12000, 3500, 3600 and 600 series



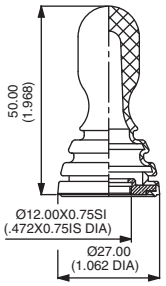
FULL-TOGGLE BLACK NEOPRENE BOOT
N36346009 (U2252)



For bushing Ø12 x 0.75 SI (.472x.075 IS) - 600 series with -5 long lever



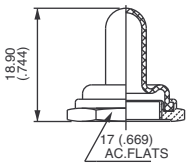
FULL-TOGGLE BLACK NEOPRENE BOOT
N36346209 (U2197)



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



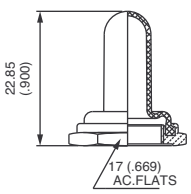
HEX NUT	FULL-TOGGLE BLACK NEOPRENE BOOTS
Nickel plated	**N36116045** (U09)
Black	**N36116042** (U223)



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	**N36111005** (U1565)	**N36112005** (U1565-6)	**N3611V005** (U1565-3)	**N3611B005** (U1565-7)
Black	**N36111002** (U1567)	**N36112002** (U1567-6)	**N3611V002** (U1567-3)	-
	FULL-TOGGLE BLACK NEOPRENE BOOTS			
Nickel plated	**N36116005** (U851)			
Black	**N36116002** (U853)			



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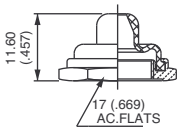
Sealing boots

For toggle switches or pushbutton switches

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



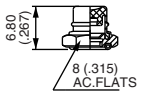
HEX NUT	HALF-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N36111015** (U1151)	**N36112015** (U1151-6)	**N3611V015** (U1151-3)	**N3611B015** (U1151-7)
Black	**N36111012** (U1153)	**N36112012** (U1153-6)	**N3611V012** (U1153-3)	-
	HALF-TOGGLE BLACK NEOPRENE BOOTS			
Nickel plated	**N36116015** (U598)			
Black	**N36116012** (U600)			



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



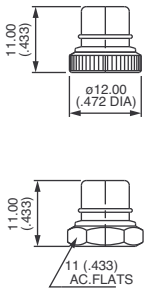
HEX NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N31221005** (U1829)	**N31222005** (U1829-6)	**N3122V005** (U1829-3(	**N3122B005** (U1829-7)
Black	**N31221002** (U1831)	**N31222002** (U1831-6)	**N3122V002** (U1831-3)	**N3122B002** (U1831-7)



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



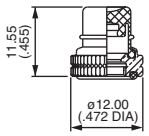
NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	**N33261005** (U1401)	**N33262005** (U1401-6)	**N3326V005** (U1401-3)	**N3326B005** (U1401-7)
Knurled Black	**N33261002** (U1403)	**N33262002** (U1403-6)	**N3326V002** (U1403-3)	**N3326B002** (U1403-7)
Hex Nickel plated	**N33221005** (U1318)	**N33222005** (U1318-6)	**N3322V005** (U1318-3)	**N3322B005** (U1318-7)
Hex Black	**N33221002** (U1320)	**N33222002** (U1320-6)	**N3322V002** (U1320-3)	**N3322B002** (U1320-7)



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



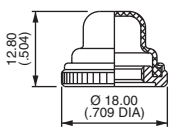
KNURLED NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N33261125** (U4301)	**N33262125** (U4301-6)	**N3326V125** (U4301-3)	**N3326B125 (U4301-7)**



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



KNURLED NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N34251005** (U1624)	**N34252005** (U1624-6)	**N3425V005** (U1624-3)	**N3425B005** (U1624-7)
Black	**N34251002** (U1626)	**N34252002** (U1626-6)	**N3425V002** (U1626-3)	**N3425B002** (U1626-7)



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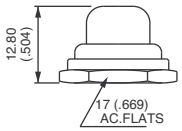
Sealing boots

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	**N35211005** (U589)	**N35212005** (U589-6)	**N3521V005** (U589-3)	**N3521B005** (U589-7)
Black	**N35211002** (U590)	**N35212002** (U590-6)	**N3521V002** (U590-3)	-

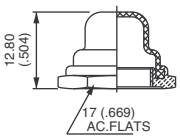


For long plunger (-9) care should be taken over the panel thickness.

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



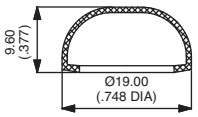
HEX NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	**N36211005** (U1654)	**N36212005** (U1654-6)	**N3621V005** (U1654-3)	**N3621B005** (U1654-7)
Black	**N36211002** (U1656)	**N36212002** (U1656-6)	**N3621V002** (U1656-3)	-
	PUSHBUTTON BLACK NEOPRENE BOOTS			
Nickel plated	**N36216005** (U31)			
Black	**N36216002** (U225)			
Chrome plated	**N36216001** (U224)			



For double sealing on IC, IH, IL, IM, IP and IB-IS series



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

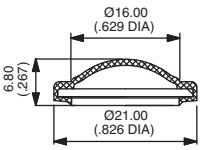


Operating temperature : -40°C to +85°C
The flat seal or O-Ring supplied with the switch should not be used with this boot.

For double sealing on IA series



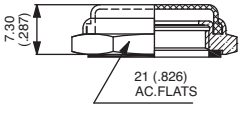
SILICONE BOOT	
Black	**U6602**
Yellow	**U6605**
Red	**U6606**



For IZ series



HEX NUT	TRANSPARENT SILICONE BOOT
Nickel plated	**N3822D005**
Black	**N3822D002**



Panel thickness :
For models IZP and IZN, panel thickness should be 4 mm (.157).
No restriction for IZM models.

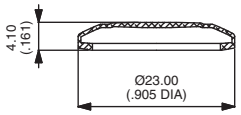
Sealing boots

For pushbutton switches or rocker switches

For AV series (models with Ø 19 mm bushing)



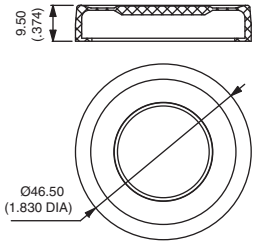
SILICONE BOOT	
Black	**U2187-2**
Green	**U2187-3**
Grey	**U2187-4**
Yellow	**U2187-5**
Red	**U2187-6**
White	**U2187-7**
Transparent	**U2187-8**



For LPI series



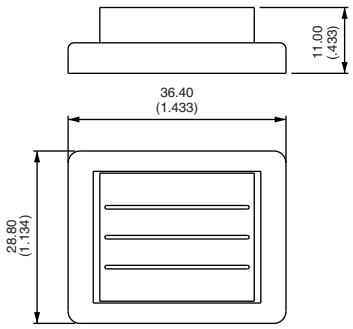
SILICONE BOOT	
Black	**U3082**
Transparent	**U3088**



For 2600 series



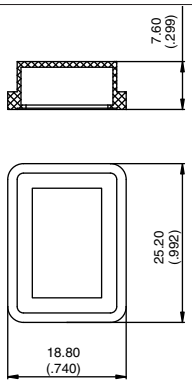
TRANSPARENT SILICONE BOOT
U2150



For FM series



TRANSPARENT PVC BOOT
U5720

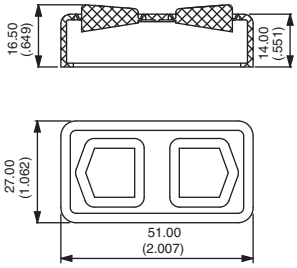


For KG series



BLACK SILICONE BOOT
U3084

Also available with pad-printed symbols : on request.



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