

# Sealing boots

For toggle or pushbutton switches



## DISTINCTIVE FEATURES

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



## ENVIRONMENTAL SPECIFICATIONS

- Operating temperature :
  - neoprene boots : -20 °C to +50 °C (-4 °F to 122 °F)
  - silicone boots : -40 °C to + 85 °C (-40 °F to +185 °F)



## MATERIALS

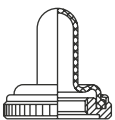
- Boot : neoprene or silicone (see comparative advantages below)
- Nut : brass, nickel plated or black

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

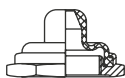
++ : excellent, + : good, - : poor



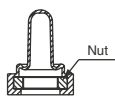
## DIFFERENT TYPES OF BOOTS



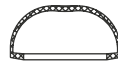
Full-toggle (standard) \*



Half-toggle \*



Two-part (no metal parts accessible) \*



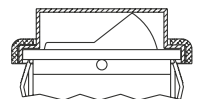
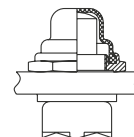
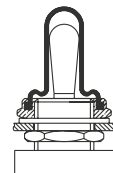
For double sealing \*

\* Color options available

The company reserves the right to change specifications without notice.



## EXAMPLES OF MOUNTING



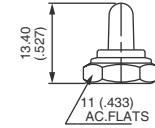
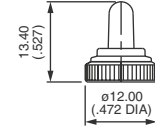
# Sealing boots

For toggle switches

FOR BUSHING Ø 6 X 0.75 (.236 X 0.75)  
5500 SERIES



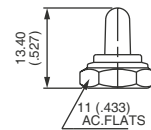
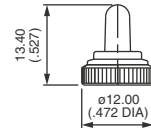
NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	N32161005 (U1341)	N32162005 (U1341-6)	N3216V005 (U1341-3)	N3216B005 (U1341-7)
Knurled Black	N32161002 (U1343)	N32162002 (U1343-6)	N3216V002 (U1343-3)	N3216B002 (U1343-7)
Hex Nickel plated	N32121005 (U1302)	N32122005 (U1302-6)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



FOR BUSHING Ø 6.35-40 NS (1/4-40 UNS)  
5000 AND 11000 SERIES



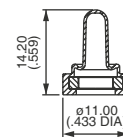
NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	N33161005 (U1331)	N33162005 (U1331-6)	N3316V005 (U1331-3)	N3316B005 (U1331-7)
Knurled Black	N33161002 (U1333)	N33162002 (U1333-6)	N3316V002 (U1333-3)	N3316B002 (U1333-7)
Hex Nickel plated	N33121005 (U1229)	N33122005 (U1229-6)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



FOR BUSHING Ø 6.35-40 NS (1/4-40 UNS)  
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)	

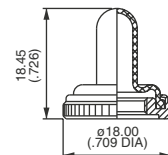


Once the boot is mounted onto the panel, no switch metal part is accessible any more.

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)



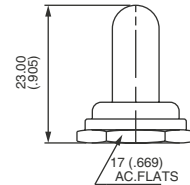
# Sealing boots

For toggle switches

FOR BUSHING Ø 11.9-32 NS (15/32-32 UNS)  
12000, 5000M, 3500 AND 6000 SERIES



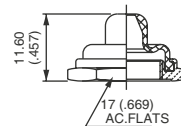
HEX NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N35111005 (U1031)	N35112005 (U1031-6)	N3511V005 (U1031-3)	N3511B005 (U1031-7)
Black	N35111002 (U1024)	N35112002 (U1024-6)	N3511V002 (U1024-3)	-



FOR BUSHING Ø 11.9-32 NS (15/32-32 UNS)  
12000, 3500 AND 6000 SERIES



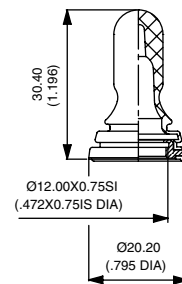
HEX NUT	HALF-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N35111015 (U1600)	N35112015 (U1600-6)	N3511V015 (U1600-3)	N3511B015 (U1600-7)
Black	N35111012 (U1602)	N35112012 (U1602-6)	N3511V012 (U1602-3)	-



FOR BUSHING Ø12 X 0.75 SI (.472X.075 IS)  
12000, 3500, 3600 AND 600 SERIES



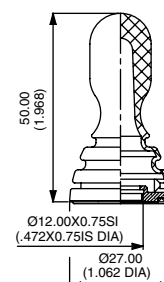
FULL-TOGGLE BLACK NEOPRENE BOOT	
N36346009 (U2252)	



FOR BUSHING Ø12 X 0.75 SI (.472X.075 IS)  
600 SERIES WITH -5 LONG LEVER



FULL-TOGGLE BOOT	
BLACK NEOPRENE	BLACK SILICONE
N36346209 (U2197)	N36343209 (U3093)



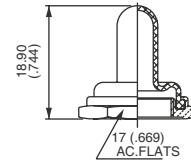
# Sealing boots

For toggle or pushbutton switches

FOR BUSHING Ø12 X 0.75 SI (.472X.075 IS)  
4450, 4650 AND 1600 SERIES



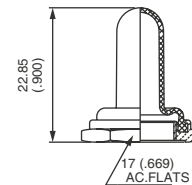
HEX NUT	FULL-TOGGLE BLACK NEOPRENE BOOTS
Nickel plated	N36116045 (U09)
Black	N36116042 (U223)



FOR BUSHING Ø 12 X 0.75 SI (.472X.075 IS)  
600H, 660, 1000, 1500 AND 3600



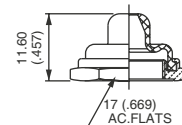
HEX NUT	FULL-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N36111005 (U1565)	N36112005 (U1565-6)	N3611V005 (U1565-3)	N3611B005 (U1565-7)
Black	N36111002 (U1567)	N36112002 (U1567-6)	N3611V002 (U1567-3)	-
FULL-TOGGLE BLACK NEOPRENE BOOTS				
Nickel plated	N36116005 (U851)			
Black	N36116002 (U853)			



FOR BUSHING Ø 12 X 0.75 SI (.472X.075 IS)  
600H, 660, 1000 AND 3600 SERIES



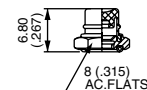
HEX NUT	HALF-TOGGLE SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N36111015 (U1151)	N36112015 (U1151-6)	N3611V015 (U1151-3)	N3611B015 (U1151-7)
Black	N36111012 (U1153)	N36112012 (U1153-6)	N3611V012 (U1153-3)	-
HALF-TOGGLE BLACK NEOPRENE BOOTS				
Nickel plated	N36116015 (U598)			
Black	N36116012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



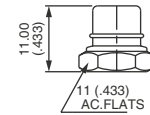
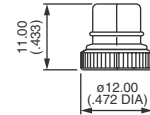
# Sealing boots

For toggle or pushbutton switches

FOR BUSHING Ø 6.35-40 NS (1/4-40 UNS)  
18000, 9000 AND 13000 SERIES



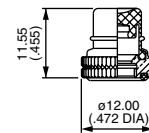
NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Knurled Nickel plated	N33261005 (U1401)	N33262005 (U1401-6)	N3326V005 (U1401-3)	N3326B005 (U1401-7)
Knurled Black	N33261002 (U1403)	N33262002 (U1403-6)	N3326V002 (U1403-3)	N3326B002 (U1403-7)
Hex Nickel plated	N33221005 (U1318)	N33222005 (U1318-6)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



FOR BUSHING Ø 6.35-40 NS (1/4-40 UNS)  
8000 SERIES



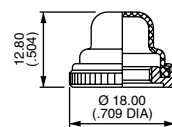
KNURLED NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N33261125 (U4301)	N33262125 (U4301-6)	N3326V125 (U4301-3)	N3326B125 (U4301-7)



FOR BUSHING Ø 10 X 0.75 (.393 X 0.75)  
10400 SERIES



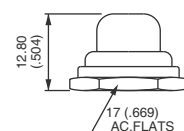
KNURLED NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N34251005 (U1624)	N34252005 (U1624-6)	N3425V005 (U1624-3)	N3425B005 (U1624-7)
Black	N34251002 (U1626)	N34252002 (U1626-6)	N3425V002 (U1626-3)	N3425B002 (U1626-7)



FOR BUSHING Ø 11.9-32 NS (15/32-32 UNS)  
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)	-



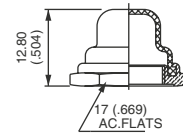
# Sealing boots

For toggle or pushbutton switches

FOR BUSHING Ø 12 X 0.75 SI (.472X.075 IS)  
1200, 4700 AND 4800 SERIES



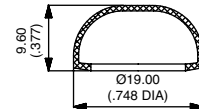
HEX NUT	PUSHBUTTON SILICONE BOOTS			
	Black	Red	Green	White
Nickel plated	N36211005 (U1654)	N36212005 (U1654-6)	N3621V005 (U1654-3)	N3621B005 (U1654-7)
Black	N36211002 (U1656)	N36212002 (U1656-6)	N3621V002 (U1656-3)	-
PUSHBUTTON BLACK NEOPRENE BOOTS				
Nickel plated	N36216005 (U31)			
Black	N36216002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



FOR DOUBLE SEALING ON  
IC, IH, IL, IM, IP AND IB-IS SERIES



SILICONE BOOTS	
Transparent	U5125
Blue	U5125-1
Black	U5125-2
Red	U5125-6

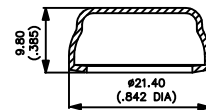


Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)  
The flat seal or O-Ring supplied with the switch should not be used with this boot.

FOR DOUBLE SEALING ON IR SERIES



SILICONE BOOTS	
Transparent	U7125
Blue	U7125-1
Black	U7125-2
Red	U7125-6

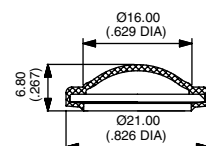


Operating temperature : -40 °C to +85 °C (-40 °F to +185 °F)  
The flat seal or O-Ring supplied with the switch should not be used with this boot.

FOR DOUBLE SEALING ON IA SERIES



SILICONE BOOTS	
Black	U6602
Green	U6603
Yellow	U6605
Red	U6606



# Sealing boots

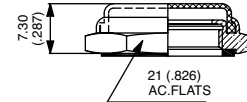
For toggle or pushbutton switches

## FOR IZ SERIES



HEX NUT	TRANSPARENT SILICONE BOOTS
Nickel plated	N3822D005
Black	N3822D002

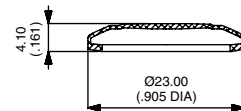
Panel thickness :  
For models IZP and IZN, panel thickness should be 4 mm (.157).  
No restriction for IZM models.



## FOR AV SERIES (MODELS WITH Ø 19 MM BUSHING)



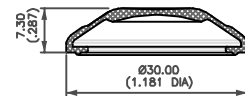
SILICONE BOOTS	
Black	U2187-2
Green	U2187-3
Grey	U2187-4
Yellow	U2187-5
Red	U2187-6
White	U2187-7
Transparent	U2187-8



## FOR FP 24 MM SERIES



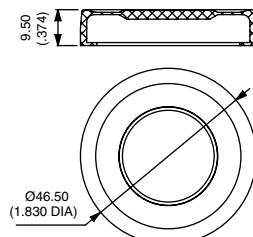
SILICONE BOOTS	
Black	FP0292
Red	FP0296
Transparent	FP0298



## FOR LPI SERIES



SILICONE BOOTS	
Black	U3082
Transparent	U3088



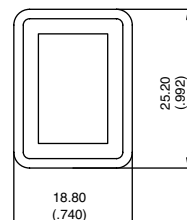
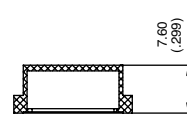
# Sealing boots

For toggle or pushbutton switches

## FOR FM SERIES



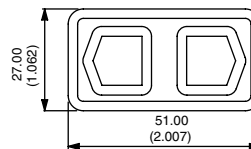
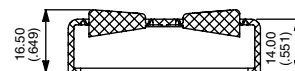
TRANSPARENT SILICONE BOOT  
U7720



## FOR KG SERIES



BLACK SILICONE BOOT  
U3084



Also available with pad-printed symbols : on request.