# **IP67** Protection for Commercial I/O

### **Features:**

- Provides additional IP67 performance for Amphenol Harsh Environment products
- Provides IP67 protection for select Amphenol standard I/O products
- Easily accommodates standard and field terminated cable assemblies
- Provides IP67 rated protection against water and dust per IEC60529
- Made with high grade weather resistant material with UV resistant material options
- Available with many Imperial and metric mounting hardware options
- Interface can be disconnected and re-mated while in the sealed condition

## **Overview:**

Amphenol offers a cost effective, easy to install IP67 Boot for our Harsh Environment products and many of our commercial I/O products. This IP67 solution protects applications that may be subjected to extreme weather conditions or where the I/O interface is at risk to fluid ingress. This simple solution can accommodate standard cables for a variety of I/O types such as Modular Jacks and USBs. This solution provides superior IP67 protection when used with our Harsh Environment, Modular jacks and USB Series A Receptacles (MRJ, MRJR, MUSB-A, MUSBR-A) standard profile products.

# **Applications:**

- Telecom (P to P wireless stations)
- Outdoor Lighting
- Medical
- Industrial

- Robotics/Automation
- Marine
- Motorhomes
- Agricultural/Construction Equipment



# MUSBR - AHD2 - X X1 XX

#### Screw, Thread and Boot Options

- 2 Screw #4-40 UNC thread, black boot
- 3 Thumb screw #4-40 UNC thread, black boot
- 7 #4-40 UNC thread, translucent boot
- 8 Thumb screw #4-40 UNC thread, translucent boot L - Screw - M3 x 0.5 thread, black boot
- M Thumb screw M3 x 0.5 thread, black boot
- S Screw M3 x 0.5 thread, translucent boot
- T Thumb screw M3 x 0.5 thread, translucent boot

#### **Packaging Options**

- BP Bulk packed, components bagged separately in carton SK - Single kit, components for each hood in
  - single bag

#### Grommet Options

- 01 No grommet
- 21 4.50 [.177] inside diameter grommet
- 31 6.40 [.252] inside diameter grommet 41 - with both 4.50 [.177] & 6.40 [.252] grommets







# **Technical Characteristics:**

	Materials
Boot:	Flexible rubber, black & translucent options
Cover Plate:	Engineering thermoplastic, glass reinforced, black
Hardware:	Stainless steel
Cable Tie:	Nylon, black
Grommet:	Silicone rubber, black

Amphenol Commercial Products IP67 Protection for Commercial I/O

# **Dimensions**

86.29 [3.397] 8.00 Ø11.60 0.70 [.315] [.457] [.028] 16.20 Ø6.00 [.236] WILL STRETCH OVER PLUG BOOT [.638] FLANGE CLEARANCE FOR HEAD OF RECEPTACLE PANEL SCREW 9.00 25.00 14.20 [.984] [.354] [.559] 1 15.60 CABLE TIE AREA [.614] 27.00 [1.063] SEE ORDERING CODE FOR GROMMET OPTIONS ACCORDION SECTION Side View 40.00 [1.575] SCREW IN FORWARD 4.25 27.00 [.167] [ 1.063 ] #4-40 OR M3 THREAD 5.00 [.197] THREAD DEPTH IN BLIND HOLE, 2 PLCS Ø15.00 R1.38 16.55 [.591] [.054] 9 .652 4 PLCS COVER PLATE 9.00 匠 [ 354] 2 PLCS PULL TABS 14,55 [.573] **A** A 4.50 [.177] #4-40 OR M3 THREAD SCREW SEE ORDERING CODE 17.60 Ø3.25±0.08 TYP [.693] 24 00 .128±.003 77 59 [.945] 2 PLCS [3.055] **Recommended PCB Layout Top View** 4.25 [.167] 1 #4-40 OR M3 THREAD THUMB SCREW SEE ORDERING CODE Ţ Ŧ 15.20 [.598] Top View with Thumb Screw

All drawings are measured in inches (mm).

\* Please visit amphenolcanada.com to find drawings for other products in this series.

To learn more about IP67 connectors: web: amphenolcanada.com email: sales@amphenolcanada.com