

IndustrialNet™ USB Bulkhead Connector

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Industrial USB couplers shall be applicable for use in manufacturing environments and shall comply with the USB 2.0 specification. Bulkhead USB coupler shall incorporate an IP67 NEMA UL Type 12 rated seal and shall be designed to provide protection from dust, washdown, and temporary immersion in water typically found in harsh industrial environments. Tethered protective cap shall ensure IP67 protection of the coupler in the unmated condition.



TECHNICAL INFORMATION

Performance:	Complies with USB 2.0 specification and is backwards compatible to USB 1.1 specification
Environmental protection:	Protects and seals connections against dust, washdown, and water immersion to ANSI/IEC 60529-2004; includes protective cap; vibration, temperature, and chemical resistant
IP compliance:	Rated IP67 for dust protection and temporary liquid immersion
NEMA/UL compliance:	Rated UL Type 12 to provide protection against circulating dust, falling dirt, and dripping noncorrosive liquids
c(UL)US listed:	UL 1863; CSA C22.2 standard
RoHs compliant:	Compliant

KEY FEATURES AND BENEFITS

Connector mounting nut:	Secures bulkhead from inside of enclosure
Bayonet style interface:	Provides positive reinforcement during mated condition; rated to 100 mating cycles
Standard mounting:	Compatible with standard IEC 1-13/64 in. (30.5mm) diameter enclosure opening with panel thickness of 0.035 in. (0.89mm) to 0.135 in. (3.43mm)
Protective cap:	Maintains IP67 seal during un-mated conditions
Optional tamper-resistant:	Removable and permanent blockout devices block unauthorized access to USB Type 'A' ports, to provide additional security from viruses being loaded and data being removed through the USB port

APPLICATIONS

The IndustrialNet USB Coupler is a key component in an overall Industrial data communications application. In most designs, the bulkhead connector provides a communication path to devices within a control panel. Typically used in work cells requiring the IP67 protection, where wash down is needed. This is common in the food and beverage industry where bacterial contamination is present. This part can be mounted inside a Panduit network zone enclosure or on Panduit IndustrialNet Stainless Steel Faceplates for wall mount applications. The bulkhead connector also offers high temperature resilience, namely 185°F (85°C) storage temperature and 158°F (70°C) operating temperature. In manufacturing facilities such as metal processing, welding, and chemical batch processing, high temperatures are normal. Vibration is also a concern, as in automotive panel stamping plants and work cells. This connector can provide temporary access to USB port, and can be sealed off with the tethered cap when not in use.

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Female A to female A: IAEBHUSBAA

IndustrialNet Stainless Steel Faceplates

Single gang: IAEFP1

Double gang: IAEFP2-2G

B Type 'A' Blockout Devices

USB Type 'A'

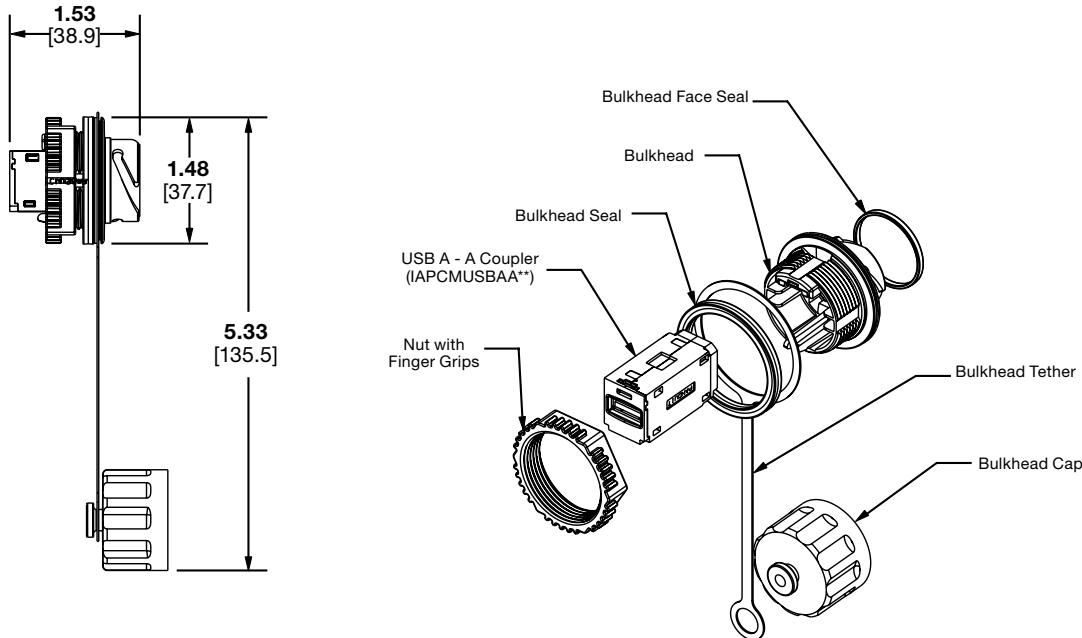
Blockout

Device: PSL-USBA[^]

[^]Add-L to indicate bulk packages of 50 pieces to reduce single-use plastic

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ENGINEERING DRAWINGS



Dimensions are in inches. [Dimensions in brackets are metric].

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