

# [ BXF EXPLOSION PROOF/INTRINSICALLY SAFE ETHERNET COUPLER ]

## [ INTRODUCTON ]

SOLDO's patented (7,507,105) Explosion Proof/Intrinsically Safe Ethernet Coupler allows for easy mounting of any RJ-45 CAT5 connector to a hazardous area rated enclosure.

This fitting is designed to be used directly with any UL, CSA, MSHA or ATEX listed explosion proof housing or fitting without the need of a seal fitting. The BXF can also be remote mounted up to 300 meters away without loss of signal. The BXF is a cost effective solution to hazardous area Ethernet Communications. Two fittings are required per run to protect both the RX and TX Lines.



Info Only 1-4-10  
Preliminary  
Pending Approvals



## [ SHORT CIRCUIT, OVER VOLTAGE/CURRENT PROTECTION ]

Includes the required 1500 volt DC dielectric circuit as required for use in a hazardous area environment.

## [ NO SEALING FITTING REQUIRED ]

Fitting is pre-approved for hazardous locations and can be installed with no potting compounds and a simple wrench. Eliminates the need for costly seal fittings, and reduces the chance of error associated with field installed sealing practices.

## [ CORROSION RESISTANT ]

300 series stainless steel protects the fitting from corrosive environments, sealing fittings are typically constructed of aluminum or galvanized steel, neither being well suited for the process industry.

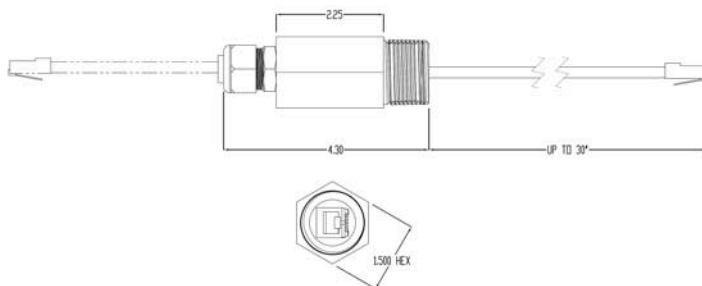
## [ ENVIRONMENTAL PROTECTION ]

All required circuitry is recessed into fitting and potted against harsh environments; this is impossible with conventional sealing methods.

## [ INTERCHANGEABILITY ]

Provides a method to allow for changing cable connections, CAT5 cable can be ran in traditional cable trays.

## [ DIMENSIONS ]

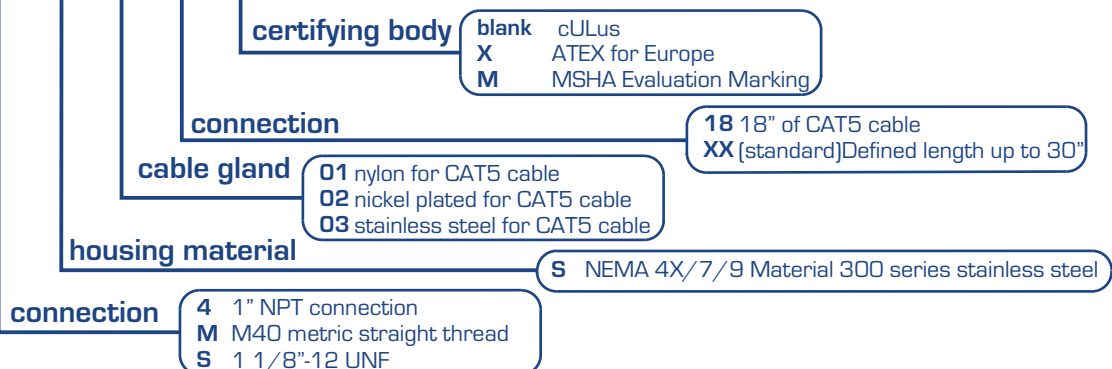


## [ SPECIFICATIONS ]

- Maximum fault voltage RMS 250 Volts
- Current Protection 80 mA
- Frequency Range greater than 1GHz
- 100 Ohm impedance
- 6 Volt protection
- 1" Male NPT or M50 x 1.5 connection
- 300 Series Stainless housing
- RJ-45 CAT5 Rated Shielded Connector
- 6000 PSI Hydro tested, no Lead seal required

## [ HOW TO ORDER ]

**BXF 4 S 01 18 N**



[ LINE CARD ]

# [ BAF INTRINSICALLY SAFE ETHERNET COUPLER ]

## [ INTRODUCTON ]

SOLDO's patented (7,507,105) Intrinsically Safe Ethernet Coupler allows for easy mounting of any RJ-45 CAT5 connector in-line in any non-hazardous area.

This fitting is designed to be used directly with any CAT5 cable system. The BAF can also be remote mounted up to 300 meters away without loss of signal. The BAF is a cost effective solution to hazardous area Ethernet Communications. Two fittings are required per run to protect both the RX and TX Lines.



Info Only 1-4-10  
Preliminary  
Approvals Pending

## [ SHORT CIRCUIT, OVER VOLTAGE/CURRENT PROTECTION ]

Includes the required 1500 volt DC dielectric circuit as required for use in a hazardous area environment.

## [ CORROSION RESISTANT ]

Aluminum T-6 with electroless nickel plating protects the fitting from corrosive environments.

## [ ENVIRONMENTAL PROTECTION ]

All required circuitry is recessed into fitting and potted against harsh environments; this is impossible with conventional sealing methods.

## [ INTERCHANGEABILITY ]

Provides a method to allow for changing cable connections, CAT5 cable can be ran in traditional cable trays.

## [ DIMENSIONS ]



## [ SPECIFICATIONS ]

- Maximum fault voltage RMS 250 Volts
- Current Protection 80 mA
- Frequency Range greater than 1GHz
- 100 Ohm impedance
- 6 Volt protection
- Aluminum T-6 housing
- RJ-45 CAT5 Rated Shielded Connector

## [ HOW TO ORDER ]

