

SOLEXY'S EXPLOSION-PROOF INTRINSICALLY SAFE ETHERNET COUPLER HAS ENHANCED!



BAF/BXF Explosion-proof/intrinsically safe Ethernet Coupler has enhanced its offer for environments with extreme environmental severity, variety of installation options, and extended Hazardous Location approvals.

- The **ambient operating temperature range** has been extended to -40°C to +85°C (T4) and -40°C to +60°C (T5)
- Installations requiring Metric thread (M25x1.5) are **now available for certifications in USA and Canada** in addition to ATEX/IECEX
- **Dual Certification Markings for Class/Division as well as Zones** is now available for USA and Canada as Class I Div 1 and Zone 1
- **IECEX in Australia** is now offered allowing ease of installation in industrial HazLoc's as well as Queensland Mines
- **New nomenclature** has been introduced to match newly added options

NEW NOMENCLATURE

| BXF | 3 | S | 01 | 01 | N0 | 018 |
|-----|---|---|----|----|----|-----|
| aaa | b | c | dd | ee | ff | ggg |

aaa Barrier Type

| | |
|-----|--|
| BXF | Explosion Proof / Intrinsically Safe suitable for hazardous area |
| BAF | Intrinsically Safe suitable for safe area and UL purge panels |

b Thread Connection

| | |
|---|---------------------------|
| 3 | 3/4" NPT |
| M | M25x1.5 |
| S | 1 1/8"-12 UNF (MSHA only) |

c Housing Material

| | |
|---|--------------------------------------|
| A | Aluminum T6 Nickel Plated (BAF only) |
| S | AISI303 stainless steel |
| L | AISI316L stainless steel |



dd Housing Connector

| | |
|----|-------------------------------|
| 01 | Shielded M12 Female "D" coded |
|----|-------------------------------|

ee Cable Connector

| | |
|----|-------------------------------|
| 01 | RJ45 Plug Male |
| 02 | Shielded M12 Male "D" coded |
| 03 | Shielded M12 Female "D" coded |

ff Approval

| | |
|----|--|
| N0 | USA&Canada (Class&Divisions and Zones) |
| X0 | IECEX and ATEX apparatus marking |
| XN | IECEX, ATEX, USA&Canada |
| M0 | MSHA |

ggg Cable Length (included in the 70 mt max)

| | |
|-----|---------------------|
| 018 | 18" (0,45 mt) CAT5e |
| 040 | 40" (1 mt) CAT5e |
| *** | custom length |

UPDATED SPECIFICATIONS

| ATEX certification nr. TUV CY 18ATEX 0206141X | BAF | BXF3S & BXFMS |
|--|---|---------------|
| Standard Ref. | EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-18 | |
| IECEX certification nr. IECEX MSC 18.0014X | BAF | BXF3S & BXFMS |
| Standard Ref. | IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-18 | |
| USA & Canada certification cQPSus nr. LR1504 | BAF | BXF3S & BXFMS |
| Standard Ref. | CAN/CSA C22.2 No. 60079-0, UL 60079-0 CAN/CSA C22.2 No. 60079-1, UL 60079-1 CAN/CSA C22.2 No. 60079-11, UL 60079-11 CAN/CSA C22.2 No. 60079-18, UL 60079-18 CAN/CSA C22.2 No. 60950-1, UL 60950-1 CAN/CSA C22.2 No. 25-17, UL 1203 CAN/CSA C22.2 No. 94.2-15, UL 50E, NEMA 250-2014 CAN/CSA C22.2 No. 30-M1986 | |

Ambient Temperature Range

-40°C (-40°F) to +85°C (+185°F) (T4)
-40°C (-40°F) to +60°C (+140°F) (T5)