



multibox® *eurofast*® Low Profile Junction Boxes 8-Port

- Dual Input/Output per Port
- Rugged Plastic Housing
- Available with or without LEDs
- M23 Quick Disconnect or Integral Home Run Cable
- Threaded M12 Connection

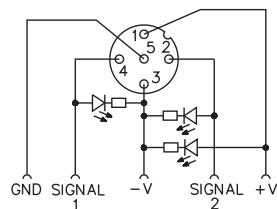
8-port, 2 Signals Per Port, 10-30 VDC

| Application | Specifications | Pinout | | | | No LEDs | PNP LED | NPN LED |
|--|--|---|--|---|---|----------------|------------------|------------------|
| 8-port J-box 2 signals per port Integral cable | 2 A/signal, 10 A total Yellow PVC cable 3x18 AWG, 16x22 AWG, foil shield and 20 AWG drain | <u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 | <u>Color</u> BN BU GN / YE WH GY / PK GN RD / BU YE WH / GN | <u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2 | <u>Color</u> GY BN / GN PK WH / YE RD YE / BN BK WH / GY VT GY / BN | 8MB12Z-5-* | 8MB12Z-5P3-* | 8MB12Z-5N3-* |
| 8-port J-box 2 signals per port multifast connector | 2 A/signal, 9 A total 19-pin multifast connector 19 conductors Mates with CKM 19-19-* | <u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 | <u>Pin / Color</u> 19 / BN 6 / BU 12 / GN / YE 15 / WH 7 / GY / PK 5 / GN 4 / RD / BU 16 / YE 8 / WH / GN | <u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2 | <u>Pin / Color</u> 3 / GY 14 / BN / GN 17 / PK 9 / WH / YE 2 / RD 13 / YE / BN 11 / BK 10 / WH / GY 1 / VT 18 / GY / BN | 8MB12Z-5-CS19 | 8MB12Z-5P3-CS19 | 8MB12Z-5N3-CS19 |
| 8-port J-box 2 signals per port multifast , side exit connector | 2 A/signal, 9 A total 19-pin multifast connector 19 conductors Mates with CKM 19-19-* | <u>Function</u> +V -V Ground Port 1, Sig 1 Port 1, Sig 2 Port 2, Sig 1 Port 2, Sig 2 Port 3, Sig 1 Port 3, Sig 2 | <u>Pin / Color</u> 19 / BN 6 / BU 12 / GN / YE 15 / WH 7 / GY / PK 5 / GN 4 / RD / BU 16 / YE 8 / WH / GN | <u>Function</u> Port 4, Sig 1 Port 4, Sig 2 Port 5, Sig 1 Port 5, Sig 2 Port 6, Sig 1 Port 6, Sig 2 Port 7, Sig 1 Port 7, Sig 2 Port 8, Sig 1 Port 8, Sig 2 | <u>Pin / Color</u> 3 / GY 14 / BN / GN 17 / PK 9 / WH / YE 2 / RD 13 / YE / BN 11 / BK 10 / WH / GY 1 / VT 18 / GY / BN | 8MB12Z-5-CS19H | 8MB12Z-5P3-CS19H | 8MB12Z-5N3-CS19H |

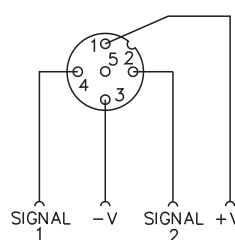
* Cable length in meters.

Functional Wiring Diagrams

**(PNP LED Version)
2 Signals Per Port**



**(No LED Version)
2 Signals Per Port**

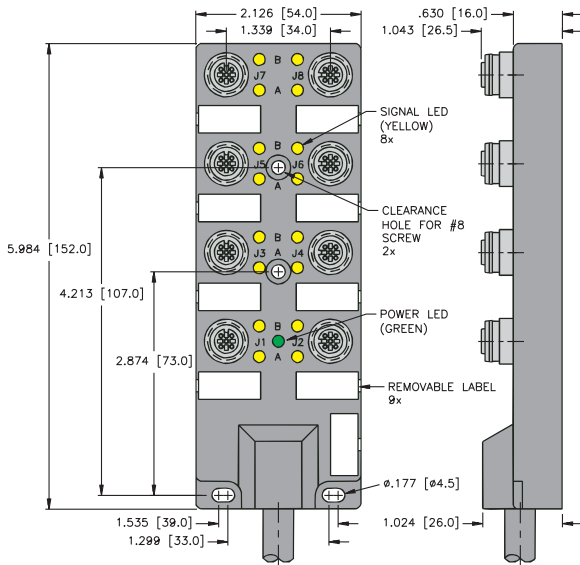


Specifications

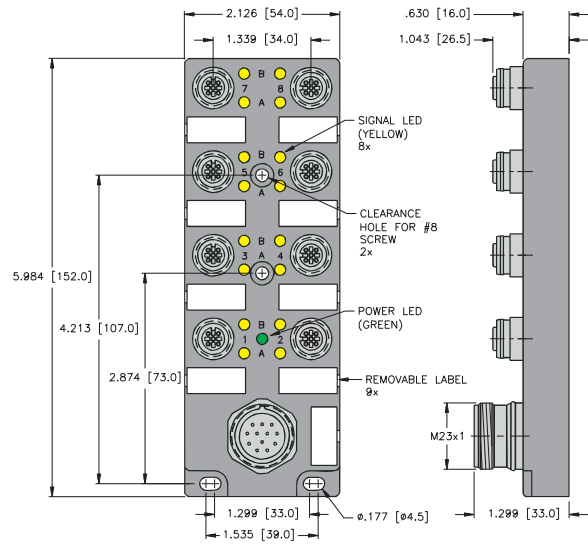
- Housing:** Nylon
- Connectors:** **eurofast**: Nylon or TPU
- Contacts:** Gold plated brass
- Thread Inserts:** Nickel plated brass
- Cable:** See table
- Temperature:** -30°C to +80°C (-22°F to +176°F)
- Protection:** IEC IP67
- Accessories:** (2) VZ 3 closure caps and a VZ 12 label kit (9 labels), included
- Cable Length:** Standard length is nominal 5 meters. Other lengths available by request - Consult factory
- Recommended Splitter:** YB2-FSM 4.5-2FKM 4.5

Dimensions

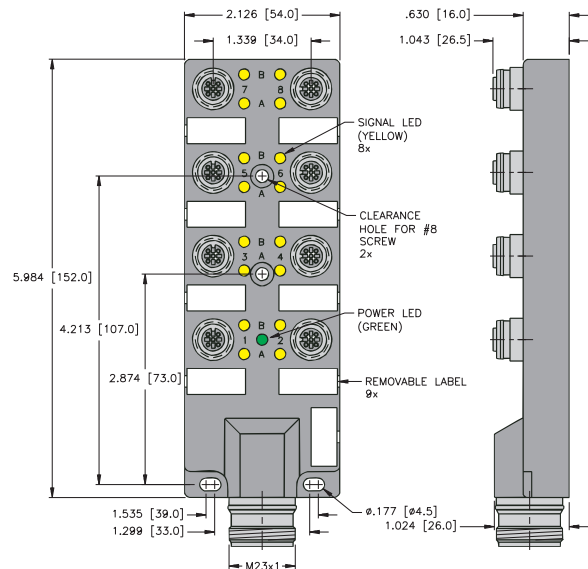
8-Port with Integral Home Run Cable



8-Port Quick Disconnect



8-Port Side Connector



Pinout

| Female | Male |
|-----------------------|-------------------------|
| | |
| 5-Pin eurofast | 19-Pin multifast |

Multibox, eurofast