

Junction Box Connectivity Products

Multibox® Eurofast® Low Profile Junction Boxes, 6-Port

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



6-Port, 1 Signal per Port, 10-30 VDC

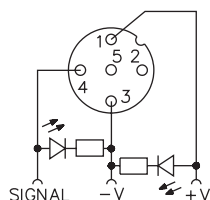
| Application | Specifications | Pinout | | | | No LEDs | PNP LED | NPN LED |
|--|--|-----------------|--------------------|-----------------|--------------------|----------------|------------------|------------------|
| 6-port J-box 1 signal per port, Integral cable | 2 A/signal 9 A total Yellow PVC cable 9/18 AWG foil shield and 20 AWG drain | <u>Function</u> | <u>Color</u> | <u>Function</u> | <u>Color</u> | 6MB12Z-4* | 6MB12Z-4P2.* | 6MB12Z-4N2.* |
| | | +V | BN | Port 1 | WH | | | |
| -V | BU | Port 2 | GN | | | | | |
| Ground | GN / YE | Port 3 | YE | | | | | |
| | | Port 4 | GY | | | | | |
| | | Port 5 | PK | | | | | |
| | | Port 6 | RD | | | | | |
| 6-port J-box 1 signal per port, Multifast® connector | 2 A/signal 9 A total 12-pin Multifast connector 9 conductors. Mates with CKCM 12-9.* | <u>Function</u> | <u>Pin / Color</u> | <u>Function</u> | <u>Pin / Color</u> | 6MB12Z-4-CS12 | 6MB12Z-4P2-CS12 | 6MB12Z-4N2-CS12 |
| | | +V | 11 / BN | Port 1 | 1 / WH | | | |
| -V | 10 / BU | Port 2 | 2 / GN | | | | | |
| Ground | 12 / GN / YE | Port 3 | 3 / YE | | | | | |
| | | Port 4 | 4 / GY | | | | | |
| | | Port 5 | 5 / PK | | | | | |
| | | Port 6 | 6 / RD | | | | | |
| 6-port J-box 1 signal per port, Multifast side exit connector | 2 A/signal 9 A total 12-pin Multifast connector 9 conductors. Mates with CKCM 12-9.* | <u>Function</u> | <u>Pin / Color</u> | <u>Function</u> | <u>Pin / Color</u> | 6MB12Z-4-CS12H | 6MB12Z-4P2-CS12H | 6MB12Z-4N2-CS12H |
| | | +V | 11 / BN | Port 1 | 1 / WH | | | |
| -V | 10 / BU | Port 2 | 2 / GN | | | | | |
| Ground | 12 / GN / YE | Port 3 | 3 / YE | | | | | |
| | | Port 4 | 4 / GY | | | | | |
| | | Port 5 | 5 / PK | | | | | |
| | | Port 6 | 6 / RD | | | | | |

* Cable length in meters.

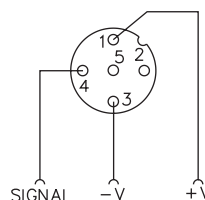
We reserve the right to make technical alterations without prior notice.

Functional Wiring Diagrams

(PNP LED Version)
1 Signal per Port



(No LED Version)
1 Signal per Port

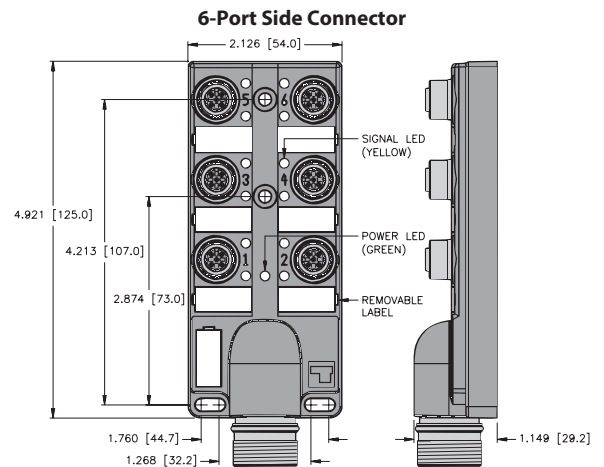
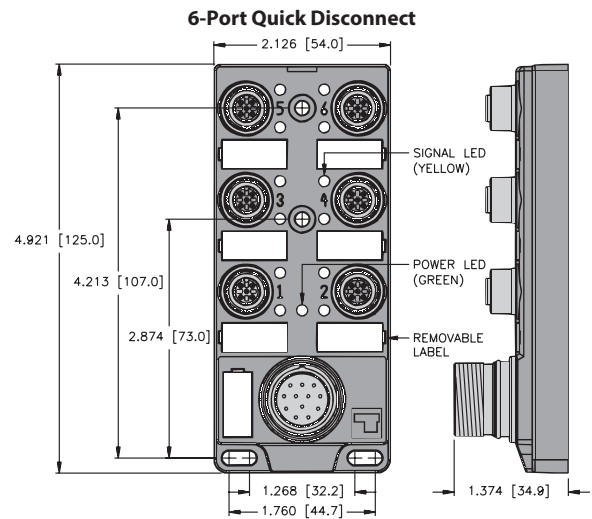
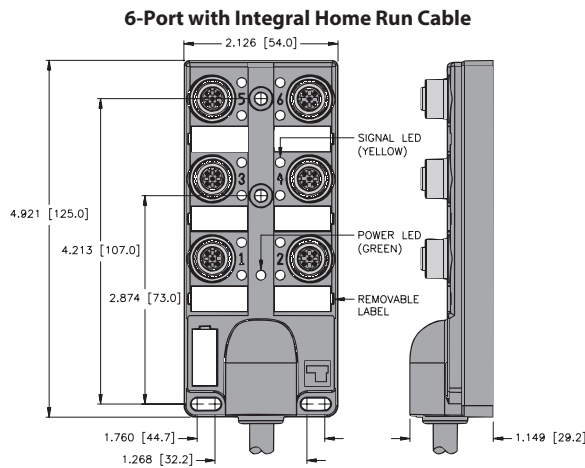


Multibox® Eurofast® Low Profile Junction Boxes, 6-Port

Specifications

| | | | |
|------------------------|------------------------|----------------------|---|
| Housing: | Nylon | Temperature: | -40 °C to +85 °C (-40 °F to +185 °F) |
| Connectors: | Eurofast: Nylon or TPU | Protection: | IEC IP68, IP69K |
| Contacts: | Gold plated brass | Accessories: | (2) VZ 3 closure caps and a VZ 12 label kit (7 labels) included |
| Thread Inserts: | Nickel plated brass | Cable Length: | Standard length is nominal 5 meters. Other lengths available by request - Consult factory |
| Cable: | See table | | |

Dimensions



Pinout

| 5-Pin Eurofast | 12-Pin Multifast® |
|----------------|-------------------|
| Female | Male |
| | |

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- M23 Quick Disconnect or Integral Home Run Cable
- Threaded M12 Connection



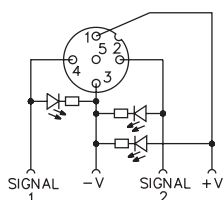
6-Port, 2 Signals per Port, 10-30 VDC

| Application | Specifications | Pinout | | | | No LEDs | PNP LED | NPN LED |
|--|--|-----------------|--------------------|-----------------|--------------------|----------------|------------------|------------------|
| 6-port J-box 2 signals per port Integral cable | 2 A/signal 9 A total Yellow PVC cable 3/18 AWG, 12/22 AWG foil shield and 22 AWG drain | <u>Function</u> | <u>Color</u> | <u>Function</u> | <u>Color</u> | 6MB12Z-5* | 6MB12Z-5P3* | 6MB12Z-5N3* |
| | | +V | BN | Port 3, Sig 1 | YE | | | |
| | | -V | BU | Port 3, Sig 2 | WH / GN | | | |
| | | Ground | GN / YE | Port 4, Sig 1 | GY | | | |
| | | Port 1, Sig 1 | WH | Port 4, Sig 2 | BN / GN | | | |
| | | Port 1, Sig 2 | GY / PK | Port 5, Sig 1 | PK | | | |
| | | Port 2, Sig 1 | GN | Port 5, Sig 2 | WH/YE | | | |
| | | Port 2, Sig 2 | RD / BU | Port 6, Sig 1 | RD | | | |
| | | | | Port 6, Sig 2 | YE/BN | | | |
| | | | | | | | | |
| 6-port J-box 2 signals per port Multifast® connector | 2 A/signal 9 A total 19-pin Multifast connector 15 conductors. Mates with CKM 19-15* | <u>Function</u> | <u>Pin / Color</u> | <u>Function</u> | <u>Pin / Color</u> | 6MB12Z-5-CS19 | 6MB12Z-5P3-CS19 | 6MB12Z-5N3-CS19 |
| | | +V | 19 / BN | Port 3, Sig 1 | 16 / YE | | | |
| | | -V | 6 / BU | Port 3, Sig 2 | 8 / WH / GN | | | |
| | | Ground | 12 / GN / YE | Port 4, Sig 1 | 3 / GY | | | |
| | | Port 1, Sig 1 | 15 / WH | Port 4, Sig 2 | 14 / BN / GN | | | |
| | | Port 1, Sig 2 | 7 / GY / PK | Port 5, Sig 1 | 17 / PK | | | |
| | | Port 2, Sig 1 | 5 / GN | Port 5, Sig 2 | 9 / WH/YE | | | |
| | | Port 2, Sig 2 | 4 / RD / BU | Port 6, Sig 1 | 2 / RD | | | |
| | | | | Port 6, Sig 2 | 13 / YE/BN | | | |
| | | | | | | | | |
| 6-port J-box 2 signals per port Multifast, side exit connector | 2 A/signal 9 A total 19-pin Multifast connector 15 conductors. Mates with CKM 19-15* | <u>Function</u> | <u>Pin / Color</u> | <u>Function</u> | <u>Pin / Color</u> | 6MB12Z-5-CS19H | 6MB12Z-5P3-CS19H | 6MB12Z-5N3-CS19H |
| | | +V | 19 / BN | Port 3, Sig 1 | 16 / YE | | | |
| | | -V | 6 / BU | Port 3, Sig 2 | 8 / WH / GN | | | |
| | | Ground | 12 / GN / YE | Port 4, Sig 1 | 3 / GY | | | |
| | | Port 1, Sig 1 | 15 / WH | Port 4, Sig 2 | 14 / BN / GN | | | |
| | | Port 1, Sig 2 | 7 / GY / PK | Port 5, Sig 1 | 17 / PK | | | |
| | | Port 2, Sig 1 | 5 / GN | Port 5, Sig 2 | 9 / WH/YE | | | |
| | | Port 2, Sig 2 | 4 / RD/BU | Port 6, Sig 1 | 2 / RD | | | |
| | | | | Port 6, Sig 2 | 13 / YE/BN | | | |
| | | | | | | | | |

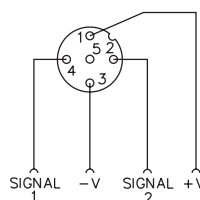
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Functional Wiring Diagrams

(PNP LED Version)
2 Signals per Port



(No LED Version)
2 Signals per Port

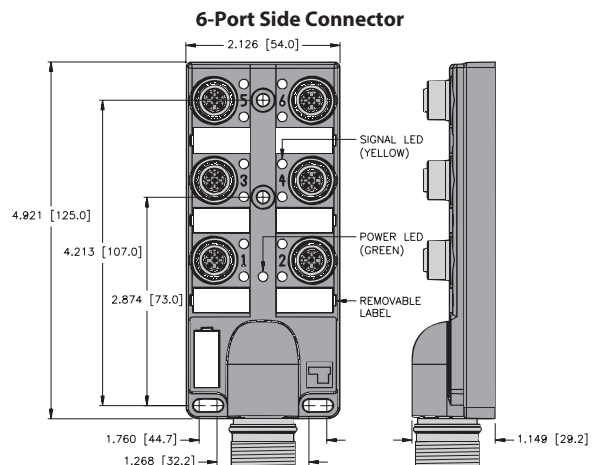
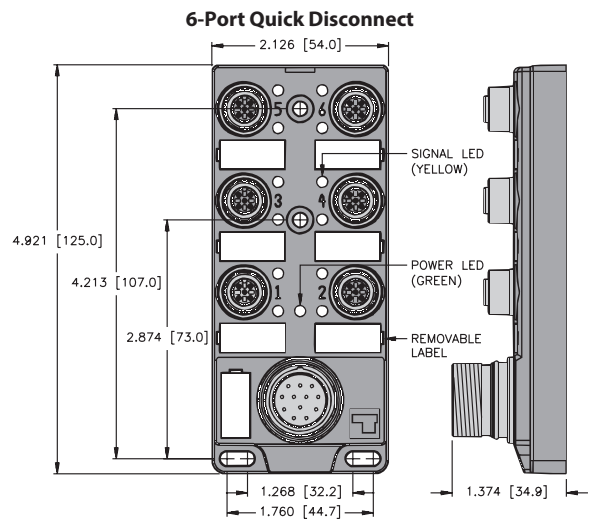
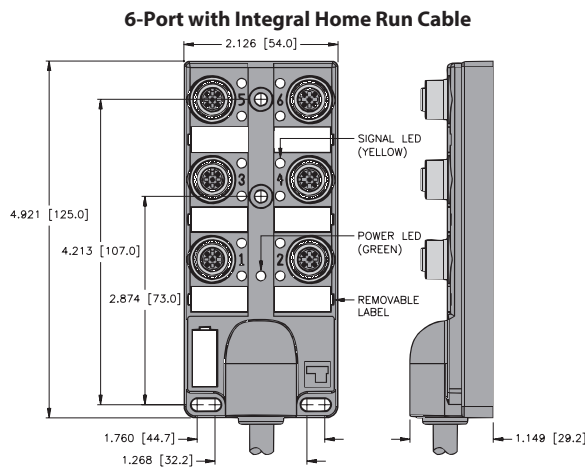


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| Thread Inserts: | Nickel plated brass | Cable Length: | Standard length is nominal 5 meters. Other lengths available by request - Consult factory |
| Cable: | See table | | |
| Recommended Splitter: | YB2-FSM 4.5-2 FKM 4.5 | | |

Dimensions



Pinout

| 5-Pin Eurofast | 19-Pin Multifast® |
|----------------|-------------------|
| Female | Male |
| | |

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