

# Junction Box Connectivity Products

## Multibox® Eurofast® Junction Boxes, 8-Port, Metal

- Single Input/Output per Port
- Metal Housing with Side Connectors
- For DC Sensors and Actuators
- M23 Quick Disconnect, Minifast Connector, or Integral Home Run Cable
- Available with or without LEDs



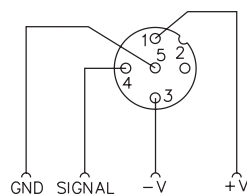
### 8-Port, 1 Signal per Port, 10-48 VDC

| Application  | Specifications   | Pinout  |  |   |  | Spring Clamp  | Screw Terminals    |
|--|--|---|--|---|--|---------------|--------------------|
| 8-port J-box<br>1 signal per port<br>Metal box Integral cable          | 4 A/port, 10 A total<br>Yellow PVC cable<br>11x18 AWG, foil shield and 20 AWG drain                  | <u>Function</u><br>+V<br>-V<br>Ground<br>Port 1<br>Port 2<br>Port 3 | <u>Color</u><br>BN<br>BU<br>GN / YE<br>WH<br>GN<br>YE                              | <u>Function</u><br>Port 4<br>Port 5<br>Port 6<br>Port 7<br>Port 8           | <u>Color</u><br>GY<br>PK<br>RD<br>BK<br>VT   | VBM 80-*      | VBM 80-P7X9-*      |
| 8-port J-box<br>1 signal per port<br>Metal box<br>Multifast® connector | 4 A/port, 8 A total<br>12-pin Multifast connector<br>9 conductors. Mates with CKM 12-11-*            | <u>Function</u><br>+V<br>-V<br>Ground<br>Port 1<br>Port 2<br>Port 3 | <u>Pin / Color</u><br>1 / BN<br>3 / BU<br>12 / GN/YE<br>4 / WH<br>5 / GN<br>6 / YE | <u>Function</u><br>Port 4<br>Port 5<br>Port 6<br>Port 7<br>Port 8           | <u>Pin / Color</u><br>7 / GY<br>8 / PK<br>9 / RD<br>10 / BK<br>11 / VT                           | VBM 80-CS12   | VBM 80-P7X9-CS12   |
| 8-port J-box<br>1 signal per port<br>Metal box Minifast connector      | 4 A/port, 7 A total<br>12-pin Minifast connector<br>9 conductors. Mates with RKM 126-* CSA Certified | <u>Function</u><br>+V<br>-V<br>Ground<br>Port 1<br>Port 2           | <u>Pin / Color</u><br>10 / RD<br>11 / WH<br>12 / BK<br>1 / OG<br>2 / BU            | <u>Function</u><br>Port 3<br>Port 4<br>Port 5<br>Port 6<br>Port 7<br>Port 8 | <u>Pin / Color</u><br>3 / WH/BK<br>4 / RD/BK<br>5 / GN/BK<br>6 / OG/BK<br>7 / BU/BK<br>8 / BK/WH | VBM 80-RSF120 | VBM 80-P7X9-RSF120 |

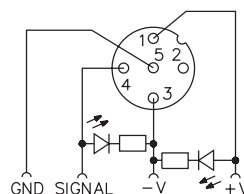
We reserve the right to make technical alterations without prior notice.

### Functional Wiring Diagrams

(No LED Version)  
1 Signal per Port



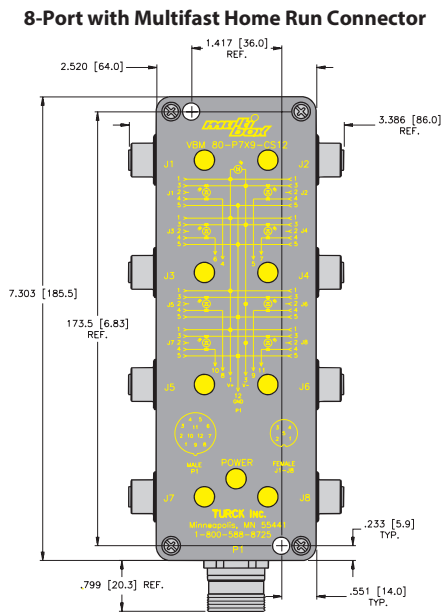
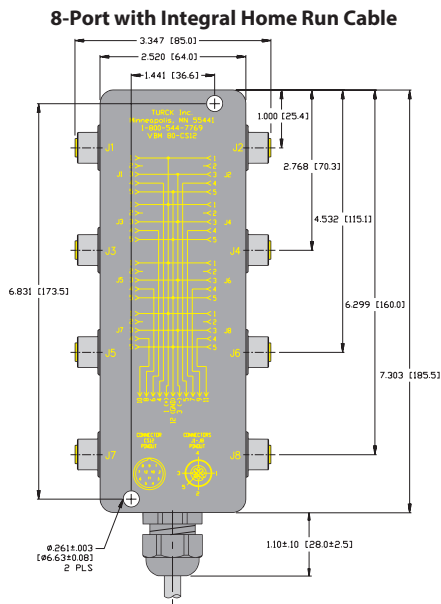
(PNP LED Version)  
1 Signal per Port



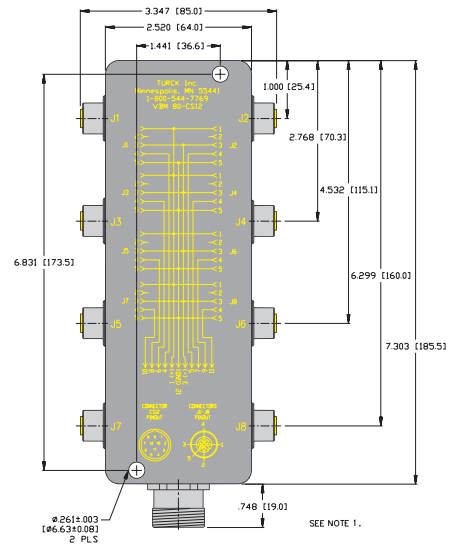
### Specifications

|                        |                         |                      |   |
|------------------------|-------------------------|----------------------|---|
| <b>Housing:</b>        | Die-cast aluminum alloy | <b>Temperature:</b>  | -40 °C to +90 °C (-40 °F to +194 °F)  |
| <b>Connectors:</b>     | Eurofast: Nylon or TPU  | <b>Protection:</b>   | IEC IP67  |
| <b>Contacts:</b>       | Gold plated brass       | <b>Accessories:</b>  | (2) VZ 3 closure caps included  |
| <b>Thread Inserts:</b> | Nickel plated brass     | <b>Cable Length:</b> | Standard length for junction boxes and Multifast® series quick disconnect cordsets is nominal 5 meters<br>Other lengths available by request. Consult factory |
| <b>Cable:</b>          | See table               |                      |   |

### Dimensions



**8-Port with Minifast® Home Run Connector**



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#### Notes

1. For mating CKM cordsets. See Multifast pages.
2. For mating RKM cordsets. See Minifast pages.

#### Pinout

| 5-Pin Eurofast | 12-Pin Multifast | 12-pin Minifast |
|----------------|------------------|-----------------|
| Female         | Male             | Male            |
|                |                  |                 |

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