

# Junction Box Connectivity Products

## Multibox® Eurofast® 8-Port Junction Boxes, Stainless Steel Connector Options

- 1 or 2 Signals per Port
- Rugged Plastic Housing with Flush Connectors
- Available with LEDs
- M23 Quick Disconnect or Integral Home Run Cable
- Available with Stainless Steel Threaded Connections



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

Application	Specifications	Pinout				Part Number
8-port J-box 1 signal per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 11x18 AWG, foil shield and 20 AWG drain  **with PUR cable, add /S90	<u>Function</u> +V -V Ground Port 1 Port 2 Port 3	<u>Color</u> BN BU GN / YE WH GN YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Color</u> GY PK RD BK VT	8MBV12-4P2-*
8-port J-box 1 signal per port Multifast® connector	4 A/port, 8 A total 12-pin Multifast connector 11 conductors. Mates with CKCMV 12-11-*	<u>Function</u> +V -V Ground Port 1 Port 2 Port 3	<u>Pin / Color</u> 11 / BN 10 / BU 12 / GN / YE 1 / WH 2 / GN 3 / YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Pin / Color</u> 4 / GY 5 / PK 6 / RD 7 / BK 8 / VT	8MBV12-4P2-CSV12

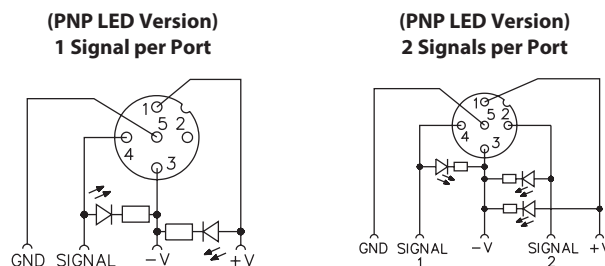
### 8-Port, 2 Signal per Port, 10-48 VDC

Application	Specifications	Pinout				Part Number
8-port J-box 2 signals per port Integral cable	4 A/port, 9 A total Yellow PVC cable** 3x18 AWG, 16x22 AWG, foil shield and 20 AWG drain  **with PUR cable, add /S90	<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 BN WH / GY VT GY / BN	8MBV12-5P3-*
8-port J-box 2 signals per port Multifast connector	4 A/port, 8 A total 19-pin Multifast connector 19 conductors. Mates with CKMV 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	8MBV12-5P3-CSV19

\* Cable length in meters.

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

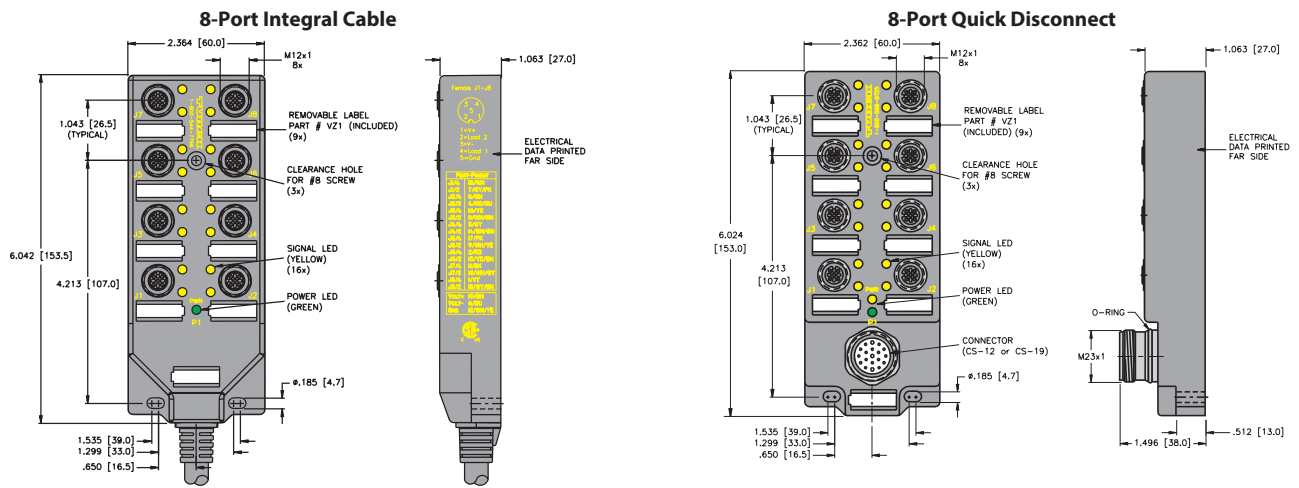
### Functional Wiring Diagrams



### Specifications

<b>Housing:</b>	Nylon	<b>Temperature:</b>	-30 °C to +80 °C (-22 °F to +176 °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 and a VZ 1 label kit (8 labels), included
<b>Thread Inserts:</b>	Stainless steel	<b>Cable Length:</b>	Standard length is nominal 5 meters. Other lengths available by request - Consult factory
<b>Cable:</b>	See table		
<b>Recommended Splitter:</b>	YB2-FSM 4.5-2 FKM 4.5		

### Dimensions



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### Pinout

5-Pin Eurofast	12-Pin Multifast®	19-Pin Multifast
Female	Male	Male

# Junction Box Connectivity Products

## Multibox® Eurofast® Junction Boxes, Back Exit Home Run

- 8-Port Plastic Housing
- 9 Amps Total
- Back Exit Home Run Cable or Leads
- Nickel Plated Brass or Stainless Steel Connectors



### 8-Port, 10-48 VDC, 2 Signals per Port, Back Exit Home Run Leads

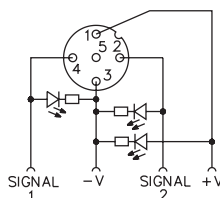
Application	Specifications	Pinout	Part Number - Nickel Plated	Part Number - Stainless Steel
8-port J-box 2 signals per port Back exit leads	4 A/port, 9 A total 5-pin Eurofast connector, 1 (green) power LED 2 (yellow) signal per port LEDs, 3x18 AWG, 16x22 AWG	<u>Function</u>		
		+V	19 / BN	
		-V	6 / BU	
		Ground	12 / GN / YE	
		Port 1, Sig 1	15 / WH	
		Port 1, Sig 2	7 / GY / PK	
		Port 2, Sig 1	5 / GN	
		Port 2, Sig 2	4 / RD / BU	
		Port 3, Sig 1	16 / YE	
		Port 3, Sig 2	8 / WH / GN	
		Port 4, Sig 1	3 / GY	
		Port 4, Sig 2	14 / BN / GN	
		Port 5, Sig 1	17 / PK	
		Port 5, Sig 2	9 / WH / YE	
		Port 6, Sig 1	2 / RD	
		Port 6, Sig 2	13 / YE / BN	
		Port 7, Sig 1	11 / BK	
Port 7, Sig 2	10 / WH / GY			
Port 8, Sig 1	1 / VT			
Port 8, Sig 2	18 / GY / BN			
			8MB12-5P3-*BL	8MBV12-5P3-*BL

### 8-Port, 10-48 VDC, 2 Signals per Port, Back Exit Home Run Cable

Application	Specifications	Pinout	Part Number - Nickel Plated	Part Number - Stainless Steel
8-port J-box 2 signals per port Back exit cable	4 A/port, 9 A total 5-pin Eurofast connector, 1 (green) power LED 2 (yellow) signal per port LEDs, 3x18 AWG, 16x22 AWG, PVC Yellow Cable	<u>Function</u>		
		+V	19 / BN	
		-V	6 / BU	
		Ground	12 / GN / YE	
		Port 1, Sig 1	15 / WH	
		Port 1, Sig 2	7 / GY / PK	
		Port 2, Sig 1	5 / GN	
		Port 2, Sig 2	4 / RD / BU	
		Port 3, Sig 1	16 / YE	
		Port 3, Sig 2	8 / WH / GN	
		Port 4, Sig 1	3 / GY	
		Port 4, Sig 2	14 / BN / GN	
		Port 5, Sig 1	17 / PK	
		Port 5, Sig 2	9 / WH / YE	
		Port 6, Sig 1	2 / RD	
		Port 6, Sig 2	13 / YE / BN	
		Port 7, Sig 1	11 / BK	
Port 7, Sig 2	10 / WH / GY			
Port 8, Sig 1	1 / VT			
Port 8, Sig 2	18 / GY / BN			
			8MB12-5P3-*B	8MBV12-5P3-*B

\* Cable length in meters.

(PNP LED Version)  
2 Signals per Port

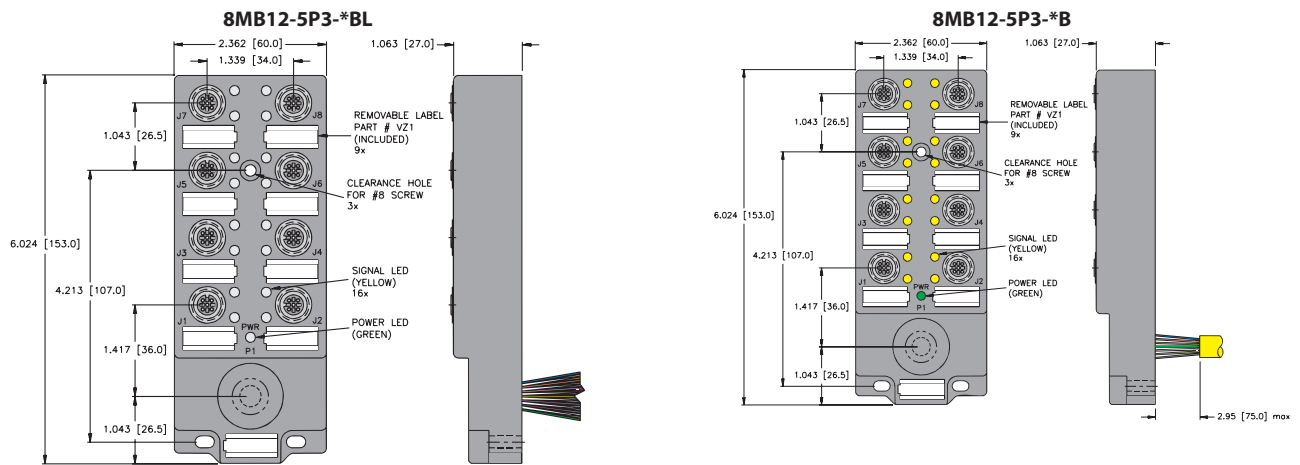


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### Specifications

<b>Housing:</b>	Nylon	<b>Temperature:</b>	-30 °C to +80 °C (-22 °C to +176 °F)
<b>Connectors:</b>	Eurofast: Nylon or TPU	<b>Protection:</b>	IP67
<b>Contacts:</b>	Gold plated brass	<b>Accessories:</b>	Includes (2) VZ 3 closure caps
<b>Thread Inserts:</b>	Nickel plated brass	<b>Recommended Splitter:</b>	YB2-FSM 4.5-2 FKM 4.5
<b>Cable:</b>	See table		
<b>Recommended Gasket:</b>	Gasket, 8MB12, Neoprene (A9446)		

### Dimensions



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### Pinout

