

Junction Box Connectivity Products

Multibox® Eurofast® Low Profile Junction Boxes, 8-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



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

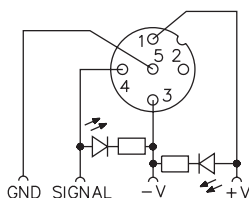
Application	Specifications	Pinout		No LEDs	PNP LED	NPN LED		
8-port J-box 1 signal per port Integral cable	2 A/signal, 9 A total Yellow PVC cable 11/18 AWG, foil shield and 20 AWG drain with PUR cable, add /S90	<u>Function</u> +V -V Ground Port 1 Port 2 Port 3	<u>Color</u> BN BU GN / YE WH GN YE	<u>Function</u> Port 4 Port 5 Port 6 Port 7 Port 8	<u>Color</u> GY PK RD BK VT	8MB12Z-4-*	8MB12Z-4P2-*	8MB12Z-4N2-*
8-port J-box 1 signal per port Multifast® connector	2 A/signal, 9 A total 12-pin Multifast connector 11 conductors. Mates with CKCM 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	8MB12Z-4-CS12	8MB12Z-4P2-CS12	8MB12Z-4N2-CS12
8-port J-box 1 signal per port Multifast, side exit connector	2 A/signal, 9 A total 12-pin Multifast connector 11 conductors. Mates with CKCM 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	8MB12Z-4-CS12H	8MB12Z-4P2-CS12H	8MB12Z-4N2-CS12H

* Cable length in meters.

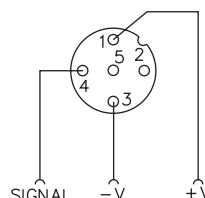
We reserve the right to make technical alterations without prior notice.

Functional Wiring Diagrams

(PNP LED Version)
1 Signal per Port



(No LED Version)
1 Signal per Port

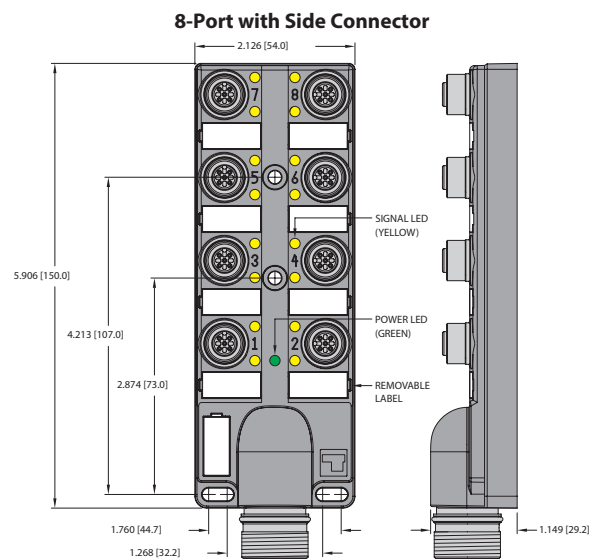
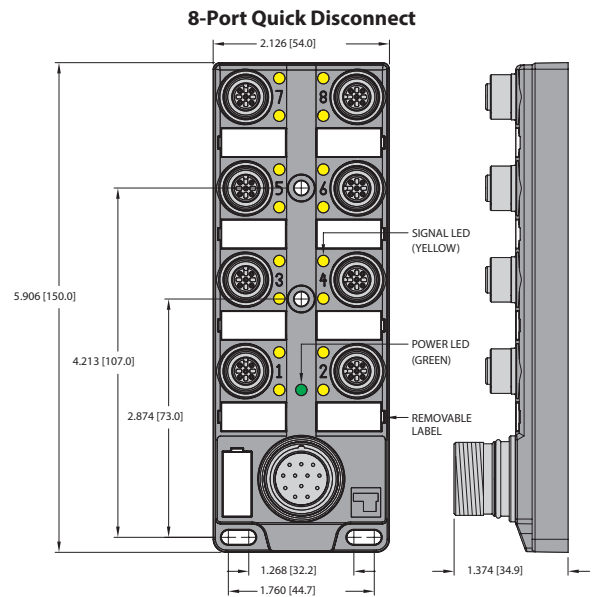
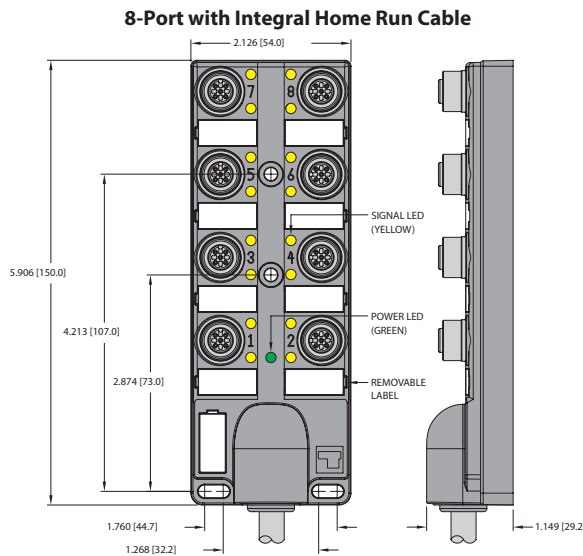


Multibox® Eurofast® Low Profile Junction Boxes, 8-Port

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 (9 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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multibox®, eurofast®

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

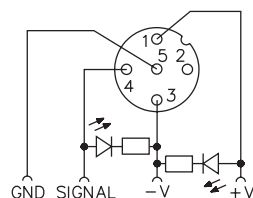
Application	Specifications	Pinout				No LEDs	PNP LED	NPN LED
8-port J-box 1 signal per port Minifast connector	2 A/signal	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	8MB12Z-4-*-RSM120	8MB12Z-4P2-*-RSM120	8MB12Z-4N2-*-RSM120
	7 A total	+V	10 / RD	Port 4	4 / RD/BK			
12-pin Minifast connector	11 conductors. Mates with RKM 126-*M	-V	11 / WH	Port 5	5 / GN/BK	8MB12Z-4-RSF120	8MB12Z-4P2-RSF120	8MB12Z-4N2-RSF120
		Ground	9 / GN	Port 6	6 / OG/BK			
		Port 1	1 / OG	Port 7	7 / BU/BK			
		Port 2	2 / BU	Port 8	8 / BK/WH			
		Port 3	3 / WH/BK					

* Cable length in meters.

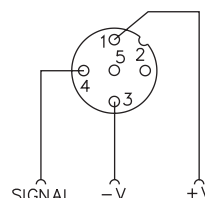
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Functional Wiring Diagrams

(PNP LED Version)
1 Signal per Port



(No LED Version)
1 Signal per Port



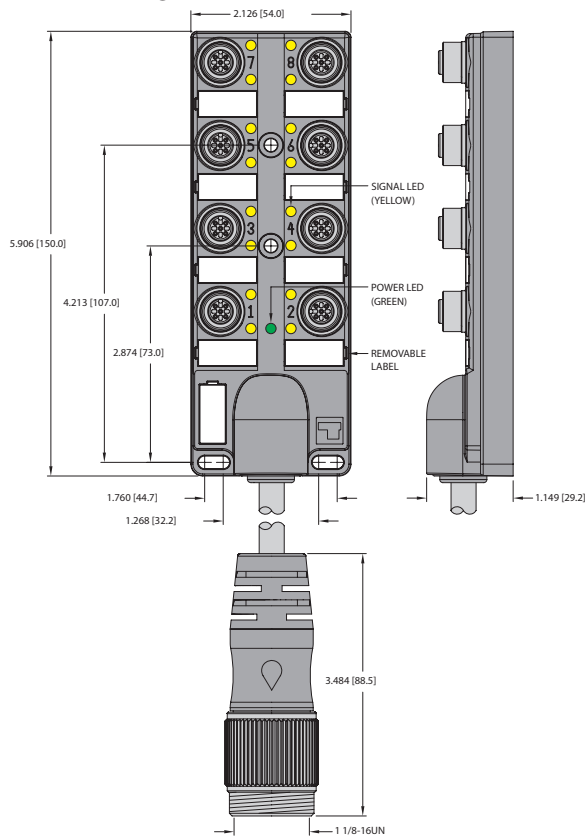
Multibox® Eurofast® Low Profile Junction Boxes, 8-Port

Specifications

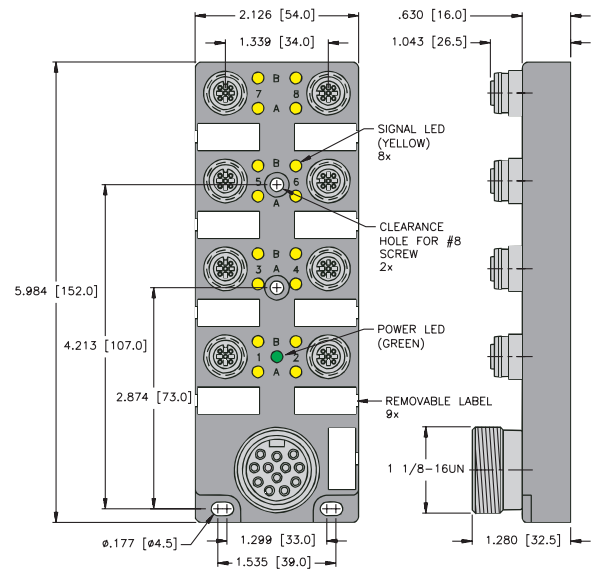
Housing:	Nylon	Temperature:	-40 °C to +85 °C (-40 °F to +185 °F)
Connectors:	Eurofast: Nylon or TPU	Protection:	IEC IP68, IP69K
Contacts:	Gold plated brass	Accessories:	(2) VZ 3 closure caps and a VZ 1 label kit (8 labels), included
Thread Inserts:	Nickel plated brass	Cable Length:	Standard length is nominal 5 meters. Other lengths available by request - Consult factory
Cable:	See table		

Dimensions

8-Port Integral Home Run with Minifast® Connector



8-Port Minifast Quick Disconnect



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Pinout

5-Pin Eurofast	12-pin Minifast
Female	Male

Junction Box Connectivity Products

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- Rugged Plastic Housing
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- Threaded M12 Connection



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

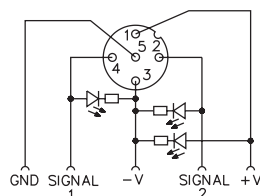
Application	Specifications	Pinout				No LEDs	PNP LED	NPN LED
8-port J-box 2 signals per port Integral cable	2 A/signal 9 A total Yellow PVC cable 3x18 AWG, Integral 16x22 AWG, foil shield and 20 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	8MB12Z-5-*	8MB12Z-5P3-*	8MB12Z-5N3-*
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

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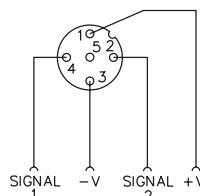
* Cable length in meters.

Functional Wiring Diagrams

(PNP LED Version)
2 Signals per Port



(No LED Version)
2 Signals per Port



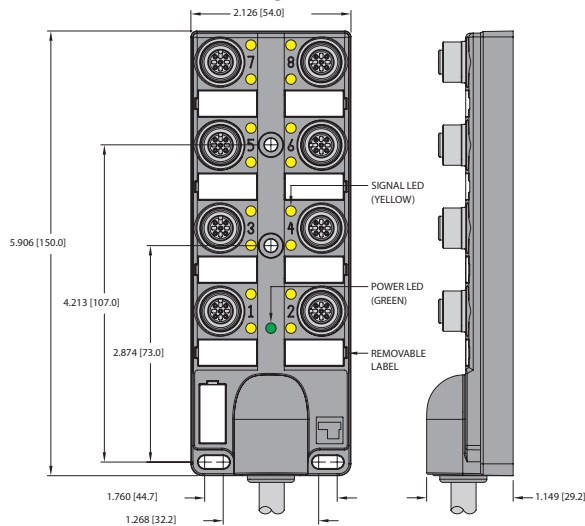
Multibox® Eurofast® Low Profile Junction Boxes 8-Port

Specifications

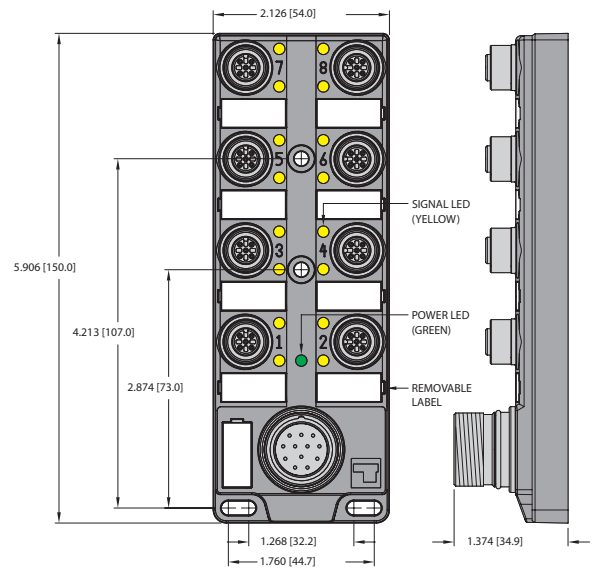
Housing:	Nylon	Temperature:	-40 °C to +85 °C (-40 °F to +185 °F)
Connectors:	Eurofast: Nylon or TPU	Protection:	IEC IP68, IP69K
Contacts:	Gold plated brass	Accessories:	(2) VZ 3 closure caps and a VZ 12 label kit (9 labels), included
Thread Inserts:	Nickel plated brass	Cable Length:	Standard length is nominal 5 meters. Other lengths available by request - Consult factory
Cable:	See table		
Recommended Splitter:	YB2-FSM 4.5-2FKM 4.5		

Dimensions

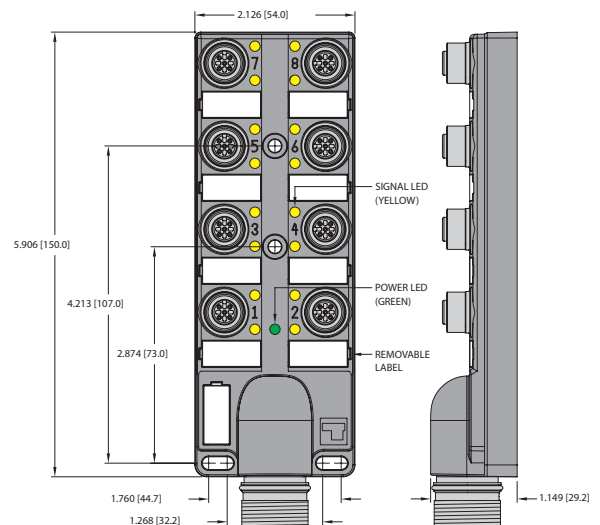
8-Port with Integral Home Run Cable



8-Port Quick Disconnect



8-Port Side Connector



Pinout

5-Pin Eurofast	19-Pin Multifast®
Female	Male

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