

# Junction Box Connectivity Products

## Multibox® Microfast® Junction Boxes

- 4, 6 and 8 Ports
- For AC Sensors
- M23 Quick Disconnect, Minifast® Connector or Integral Home Run Cable
- Simplifies Wiring Installations



### 4-Port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
4-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 6x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Color</u> WH GN RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Color</u> OG BK BU	VBKB 40-*
4-port J-box Standard wiring, Multifast® connector	4 A/port, 7 A total 12-pin Multifast connector, 6 conductors. Mates with CKRM 12-6-*	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Pin/Color</u> 5 / WH 7 / GN 6 / RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Pin/Color</u> 1 / OG 4 / BK 2 / BU	VBKB 40-CS12
4-port J-box Standard wiring Minifast connector	4 A/port, 9 A total 6-pin Minifast connector, 6 conductors. Mates with RKM 66-*M	<u>Function</u> Common (L1) Ground J1 Load (L2)	<u>Pin/Color</u> 1 / WH 3 / GN 2 / RD	<u>Function</u> J2 Load (L2) J3 Load (L2) J4 Load (L2)	<u>Pin/Color</u> 4 / OG 5 / BK 6 / BU	VBKB 40-B1161

### 6-Port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
6-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 8x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2)	<u>Color</u> WH GN RD OG	<u>Function</u> J3 Load (L2) J4 Load (L2) J5 Load (L2) J6 Load (L2)	<u>Color</u> BK BU YE BN	VBKB 60-*
6-port J-box Standard wiring Multifast connector	4 A/port, 7 A total 12-pin Multifast connector, 8 conductors. Mates with CKRM 12-8-*	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2)	<u>Pin/Color</u> 5 / WH 7 / GN 6 / RD 1 / OG	<u>Function</u> J3 Load (L2) J4 Load (L2) J5 Load (L2) J6 Load (L2)	<u>Pin/Color</u> 4 / BK 2 / BU 3 / YE 8 / BN	VBKB 60-CS12

### 8-Port, 250 VAC / 300 VDC

Application	Specifications	Pinout				Part Number
8-port J-box Standard wiring, Integral cable	4 A/port, 9 A total PVC cable, black, 10x18 AWG, foil shield and 20 AWG drain	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Color</u> WH GN RD VT BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Color</u> BU GY YE OG BN	VBKB 80-*
8-port J-box Standard wiring Multifast connector	4 A/port, 7 A total 12-pin Multifast connector, 10 conductors. Mates with CKRM 12-10-*	<u>Function</u> Common (L1) Ground J1 Load (L2) J2 Load (L2) J3 Load (L2)	<u>Pin/Color</u> 5 / WH 7 / GN 6 / RD 1 / VT 4 / BK	<u>Function</u> J4 Load (L2) J5 Load (L2) J6 Load (L2) J7 Load (L2) J8 Load (L2)	<u>Pin/Color</u> 2 / BU 3 / GY 8 / YE 9 / OG 10 / BN	VBKB 80-CS12

\* Length in meters.

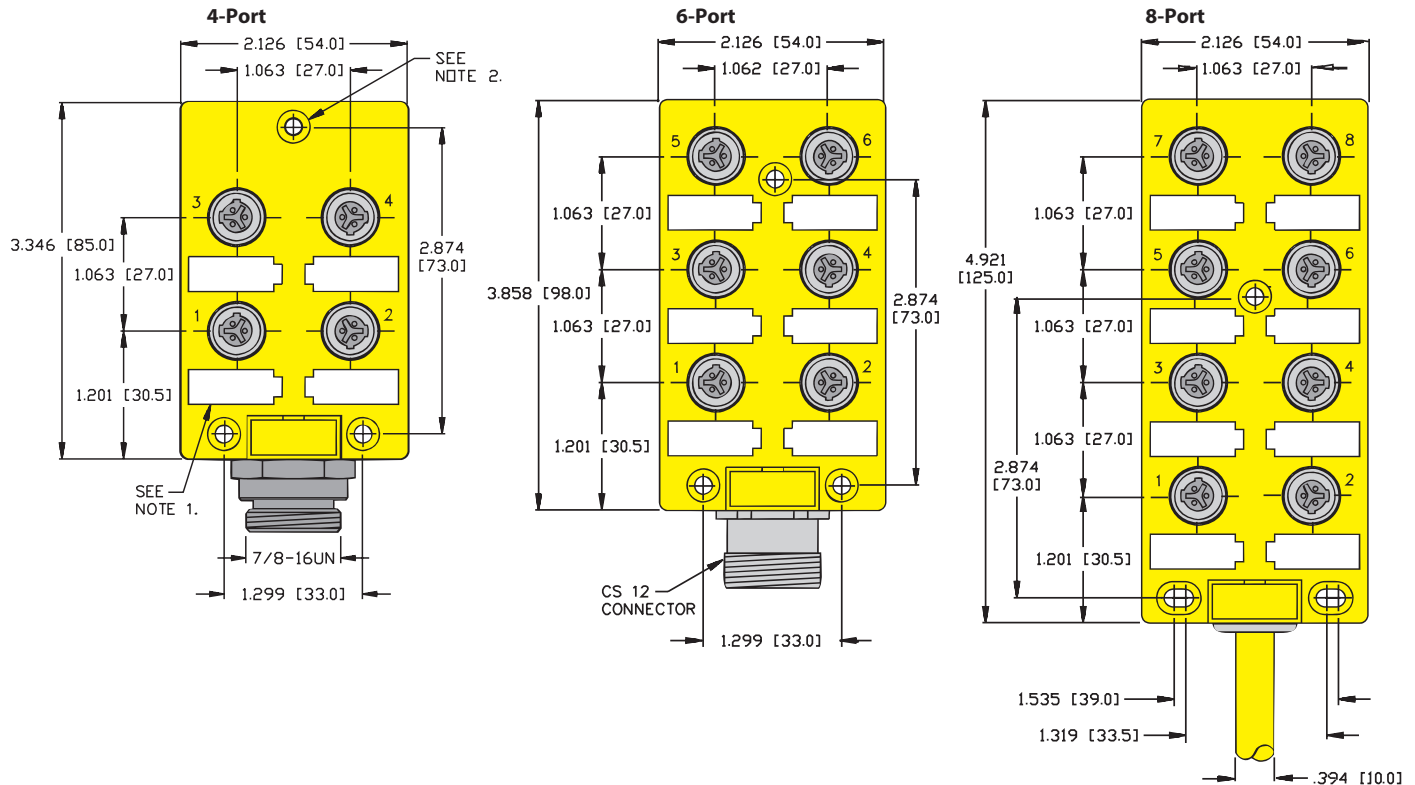
We reserve the right to make technical alterations without prior notice.

## Multibox® Microfast® Junction Boxes

### Specifications

<b>Housing:</b>	Nylon	<b>Temperature:</b>	-30 °C to +80 °C (-22 °F to +176 °F)
<b>Connectors:</b>	Nylon (Microfast)	<b>Protection:</b>	IEC IP67
<b>Contacts:</b>	Gold plated brass	<b>Cable Length:</b>	Standard cable length is nominal 5 meters. Other lengths available by request - consult factory
<b>Thread Inserts:</b>	Nickel plated brass	<b>Accessories:</b>	(2) SB-CC closure caps and a VZ1 label kit included
<b>Cable:</b>	See table		

### Dimensions



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#### Notes

- Removable labels included.
- Clearance holes for #8 screws (3 places).
- Housings with integral cable: 23 mm in thickness.
- Housings with quick disconnect: 33 mm thickness.

#### Pinout

3-pin Microfast	6-pin Minifast®	12-pin Multifast®
Female	Male	Male

#### Functional Wiring Diagrams



# Junction Box Connectivity Products

## Multibox® Microfast® Junction Boxes with LEDs

- 4 and 8 Ports
- For AC Sensors
- Simplifies Wiring Installations
- M23 Quick Disconnect or Integral Home Run Cable
- LEDs for Power and Signal



### 4-Port, 40-120 VAC

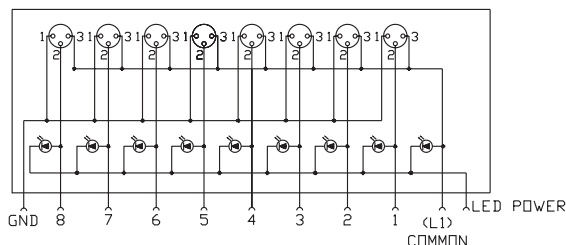
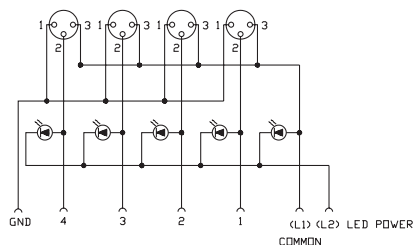
Application	Specifications	Pinout				Part Number
4 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 7x18 AWG, foil shield and 20 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VBKB 40-X5-*
		Common (L1)	WH	J2 Load (L2)	OG	
		LED Power (L2)	WH / BK	J3 Load (L2)	BK	
		Ground	GN	J4 Load (L2)	BU	
4 port J-box Standard wiring Multifast® connector	4 A/port, 7 A total 12-pin Multifast connector, 7 conductors. Mates with CKBM 12-7-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	VBKB 40-X5-CS12v
		Common (L1)	3 / WH	J2 Load (L2)	5 / OG	
		LED Power (L2)	1 / WH/BK	J3 Load (L2)	2 / BK	
		Ground	7 / GN	J4 Load (L2)	6 / BU	
		J1 Load (L2)	4 / RD			

### 8-Port, 40-120 VAC

Application	Specifications	Pinout				Part Number
8 port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 11x18 AWG, foil shield and 20 AWG drain	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	VBKB 80-X9-*
		Common (L1)	WH	J4 Load (L2)	BU	
		LED Power (L2)	BU / BK	J5 Load (L2)	WH / BK	
		Ground	GN	J6 Load (L2)	RD / BK	
		J1 Load (L2)	RD	J7 Load (L2)	GN / BK	
		J2 Load (L2)	OG	J8 Load (L2)	OG / BK	
8 port J-box Standard wiring Multifast connector	4 A/port, 7 A total 12-pin Multifast connector, 11 conductors. Mates with CKBM 12-11-*	<u>Function</u>	<u>Pin/Color</u>	<u>Function</u>	<u>Pin/Color</u>	VBKB 80-X9-CS12
		Common (L1)	11 / WH	J4 Load (L2)	2 / BU	
		LED Power (L2)	7 / BU/BK	J5 Load (L2)	3 / WH / BK	
		Ground	9 / GN	J6 Load (L2)	4 / RD / BK	
		J1 Load (L2)	10 / RD	J7 Load (L2)	5 / GN / BK	
		J2 Load (L2)	1 / OG	J8 Load (L2)	6 / OG / BK	
		J3 Load (L2)	12 / BK			

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### Functional Wiring Diagrams

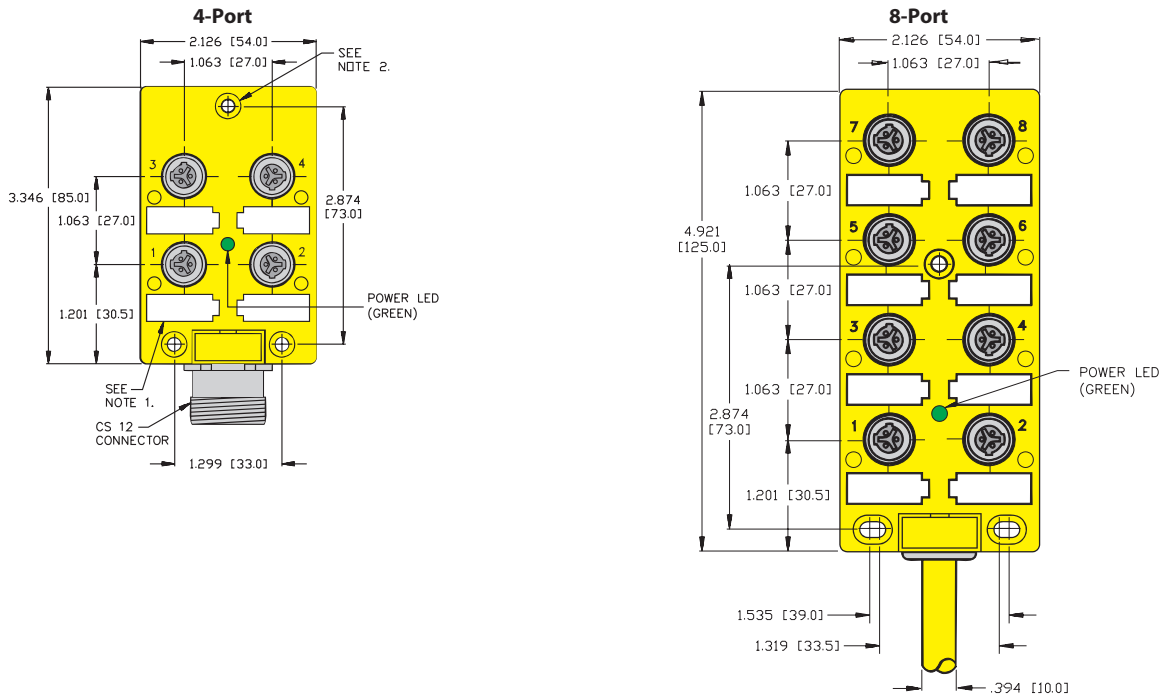


## Multibox® Microfast® Junction Boxes with LEDs

### Specifications

<b>Housing:</b>	Nylon	<b>Temperature:</b>	-30 °C to +80 °C (-22 °F to +176 °F)
<b>Connectors:</b>	Nylon (Microfast)	<b>Protection:</b>	IEC IP67
<b>Contacts:</b>	Gold plated brass	<b>Cable Length:</b>	Standard cable length is nominal 5 meters. Other lengths available by request - consult factory
<b>Thread Inserts:</b>	Nickel plated brass	<b>Accessories:</b>	(2) SB-CC closure caps and a VZ1 label kit included
<b>Cable:</b>	See table		

### Dimensions



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#### Notes

- Removable labels included.
- Clearance holes for #8 screws (3 places).
- Housings with integral cable: 23 mm in thickness.
- Housings with quick disconnect: 33 mm thickness.
- Green LED = Power on (center position).
- Yellow LED = Signal (outer position).

#### Pinout

