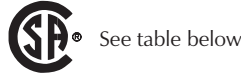




## multibox® eurofast® Isolated Power Supply Junction Boxes

- 2 x 2, 2 x 3 and 2 x 4 Ports accommodate 4, 6 or 8 Signals
- Rugged Housing with Flush Connections
- Quick Disconnect or Integral Home Run Cable
- Available with or without LEDs



### 4-port, 1 Signal Per Port, 10-48 VDC

Application	Specifications	Pinouts				No LEDs	PNP LED
4-port J-box 1 signal per port Isolated power supply Integral cable	4 A/port, 8 A supply Yellow PVC cable 10/18 AWG, foil shield and 20 AWG drain CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3	<u>Color</u> Bn Bu Gn/Ye Wh Ye	<u>Function</u> +V - V Gnd Port 2 Port 4	<u>Color</u> Bn/Wh Bu/Wh Gn/Wh Og Gy	VB 2X20-*	VB 2X20-P7X4-*
4-port J-box 1 signal per port Isolated power supply <b>multifast</b> connector	4 A/port, 7 A supply 16-pin <b>multifast</b> connector 10 conductors Mates with CKAM 16-10- CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3	<u>Pin / Color</u> 1 / Bn 3 / Bu 5 / Gn/Ye 4 / Wh 7 / Ye	<u>Function</u> +V - V Gnd Port 2 Port 4	<u>Pin / Color</u> 11 / Bn/Wh 13 / Bu/Wh 15 / Gn/Wh 6 / Og 8 / Gy	VB 2X20-CS16	VB 2X20-P7X4-CS16

### 6-port, 1 Signal Per Port, 10-48 VDC

Application	Specifications	Pinout				No LEDs	PNP LED
6-port J-box 1 signal per port Isolated power supply Integral cable	4 A/port, 10 A/supply Yellow PVC cable 12/18 AWG, foil shield and 20 AWG drain CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3 Port 5	<u>Color</u> Bn Bu Gn/Ye Wh Ye Pk	<u>Function</u> +V - V Gnd Port 2 Port 4 Port 6	<u>Color</u> Bn/Wh Bu/Wh Gn/Wh Og Gy Rd	VB 2X30-*	VB 2X30-P7X6-*
6-port J-box 1 signal per port Isolated power supply <b>multifast</b> connector	4 A/port, 7 A/supply 16-pin <b>multifast</b> connector 12 conductors Mates with CKAM 16-12- CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3 Port 5	<u>Pin / Color</u> 1 / Bn 3 / Bu 5 / Gn/Ye 4 / Wh 7 / Ye 9 / Pk	<u>Function</u> +V - V Gnd Port 2 Port 4 Port 6	<u>Pin / Color</u> 11 / Bn/Wh 13 / Bu/Wh 15 / Gn/Wh 6 / Og 8 / Gy 10 / Rd	VB 2X30-CS16	VB 2X30-P7X6-CS16

### 8-port, 1 Signal Per Port, 10-48 VDC

Application	Specifications	Pinout				No LEDs	PNP LED
8-port J-box 1 signal per port Isolated power supply Integral cable	4 A/port, 12 A/supply Yellow PVC cable 14/18 AWG, foil shield and 20 AWG drain CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3 Port 5 Port 7	<u>Color</u> Bn Bu Gn/Ye Wh Ye Pk Bk	<u>Function</u> +V - V Gnd Port 2 Port 4 Port 6 Port 8	<u>Color</u> Bn/Wh Bu/Wh Gn/Wh Og Gy Rd Vt	VB 2X40-*	VB 2X40-P7X8-*
8-port J-box 1 signal per port Isolated power supply <b>multifast</b> connector	4 A/port, 7 A/supply 16-pin <b>multifast</b> connector 14 conductors Mates with CKAM 16-14- CSA Certified	<u>Function</u> +V - V Gnd Port 1 Port 3 Port 5 Port 7	<u>Pin / Color</u> 1 / Bn 3 / Bu 5 / Gn/Ye 4 / Wh 7 / Ye 9 / Pk 12 / Bk	<u>Function</u> +V - V Gnd Port 2 Port 4 Port 6 Port 8	<u>Pin / Color</u> 11 / Bn/Wh 13 / Bu/Wh 15 / Gn/Wh 6 / Og 8 / Gy 10 / Rd 14 / Vt	VB 2X40-CS16	VB 2X40-P7X8-CS16

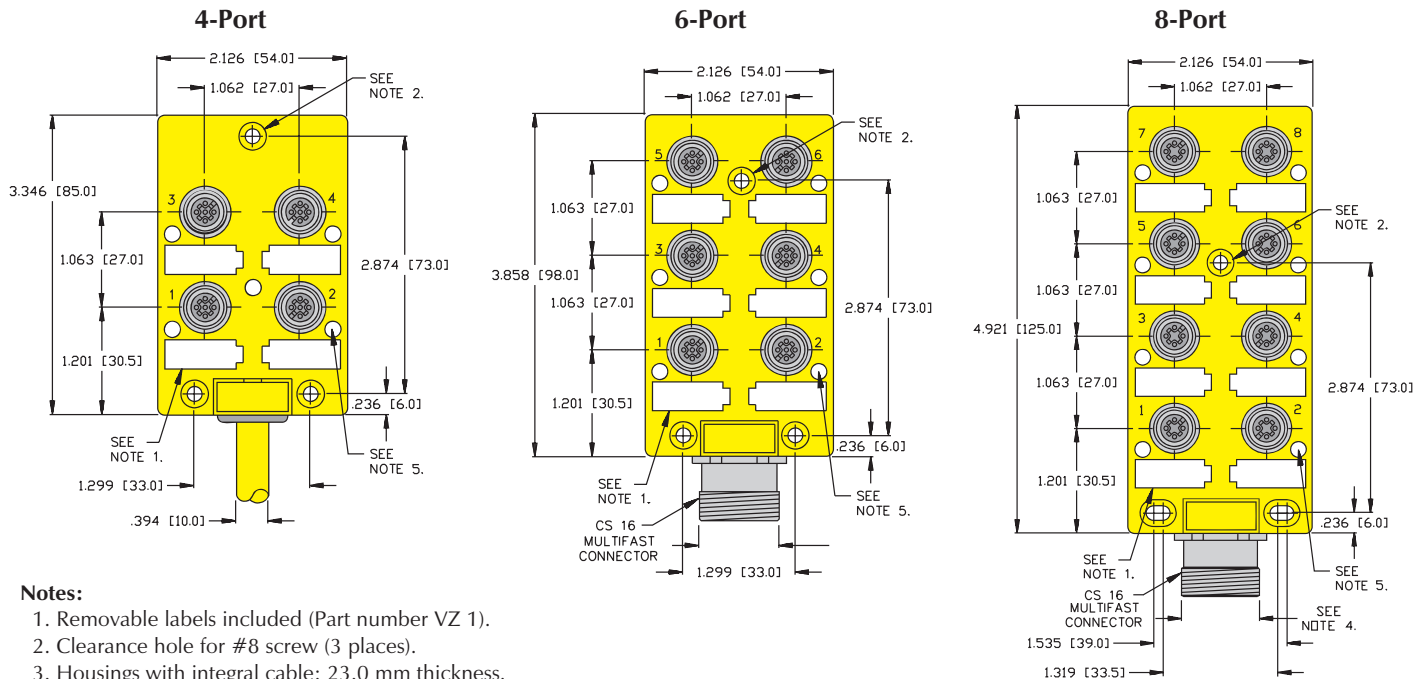
\* = Length in meters

## Specifications

<b>Housing:</b>	Nylon.
<b>Connectors:</b>	<b>eurofast:</b> Nylon or PUR, spacings to VDE 0110 Group C.
<b>Contacts:</b>	Gold plated brass.
<b>Thread Inserts:</b>	Nickel plated brass.
<b>Cable:</b>	See table.
<b>LED Current:</b>	10 mA maximum at 48 VDC supply voltage (per LED).
<b>Temperature:</b>	-30°C to +80°C (-22°F to +176°F)
<b>Protection:</b>	NEMA 1,3,4,6P and IEC IP 67.
<b>Accessories:</b>	(2) VZ 3 closure caps and a VZ 1 label kit (8 labels), included.

**Cable Length:** Standard length for junction boxes and **multifast** series quick disconnect cordsets is nominal 5 meters. Other lengths available by request. Consult factory.

## Dimensions

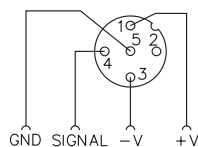


### Notes:

1. Removable labels included (Part number VZ 1).
2. Clearance hole for #8 screw (3 places).
3. Housings with integral cable: 23.0 mm thickness.  
Housings with quick disconnect: 33.0 mm thickness.
4. For mating CKAM cordset. See **multifast** pages.
5. Yellow LED = Signal (outer position)

## Functional Wiring Diagrams

**(No LED Version)  
Isolated Power Supply**



**(PNP LED Version)  
Isolated Power Supply**

