



**multibox® minifast® Junction Boxes, 3-Pin**

- 4, 6 and 8 Ports
- Simplifies Wiring Installations
- M23 Quick Disconnect, *minifast* Connector or Integral Home Run Cable



**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	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J2 Load (L2)</td> <td>OG</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J3 Load (L2)</td> <td>BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J2 Load (L2)	OG	Ground	GN	J3 Load (L2)	BK	J1 Load (L2)	RD	J4 Load (L2)	BU	4 RKF 30-*M
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																
Common (L1)	WH	J2 Load (L2)	OG																
Ground	GN	J3 Load (L2)	BK																
J1 Load (L2)	RD	J4 Load (L2)	BU																
4-port J-box Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 6 conductors, mates with CKRM 12-6-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J2 Load (L2)</td> <td>1 / OG</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J3 Load (L2)</td> <td>4 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J4 Load (L2)</td> <td>2 / BU</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J2 Load (L2)	1 / OG	Ground	7 / GN	J3 Load (L2)	4 / BK	J1 Load (L2)	6 / RD	J4 Load (L2)	2 / BU	4 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																
Common (L1)	5 / WH	J2 Load (L2)	1 / OG																
Ground	7 / GN	J3 Load (L2)	4 / BK																
J1 Load (L2)	6 / RD	J4 Load (L2)	2 / BU																
4-port j-box Standard wiring <i>minifast</i> connector	4 A/port, 6 A total 6-pin <i>minifast</i> connector, 6 conductors, mates with RKM 61-*M	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>1 / WH</td> <td>J2 Load (L2)</td> <td>4 / OG</td> </tr> <tr> <td>Ground</td> <td>3 / GN</td> <td>J3 Load (L2)</td> <td>5 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>2 / RD</td> <td>J4 Load (L2)</td> <td>6 / BU</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	1 / WH	J2 Load (L2)	4 / OG	Ground	3 / GN	J3 Load (L2)	5 / BK	J1 Load (L2)	2 / RD	J4 Load (L2)	6 / BU	4 RKF 30-B1161
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																
Common (L1)	1 / WH	J2 Load (L2)	4 / OG																
Ground	3 / GN	J3 Load (L2)	5 / BK																
J1 Load (L2)	2 / RD	J4 Load (L2)	6 / BU																

**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	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J3 Load (L2)</td> <td>BK</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J5 Load (L2)</td> <td>YE</td> </tr> <tr> <td>J2 Load (L2)</td> <td>OG</td> <td>J6 Load (L2)</td> <td>BN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J3 Load (L2)	BK	Ground	GN	J4 Load (L2)	BU	J1 Load (L2)	RD	J5 Load (L2)	YE	J2 Load (L2)	OG	J6 Load (L2)	BN	6 RKF 30-*M				
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																								
Common (L1)	WH	J3 Load (L2)	BK																								
Ground	GN	J4 Load (L2)	BU																								
J1 Load (L2)	RD	J5 Load (L2)	YE																								
J2 Load (L2)	OG	J6 Load (L2)	BN																								
6-port J-box Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 8 conductors, mates with CKRM 12-8-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J3 Load (L2)</td> <td>4 / OG</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J4 Load (L2)</td> <td>4 / BK</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J5 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / OG</td> <td>J6 Load (L2)</td> <td>3 / YE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8 / BN</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J3 Load (L2)	4 / OG	Ground	7 / GN	J4 Load (L2)	4 / BK	J1 Load (L2)	6 / RD	J5 Load (L2)	2 / BU	J2 Load (L2)	1 / OG	J6 Load (L2)	3 / YE				8 / BN	6 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																								
Common (L1)	5 / WH	J3 Load (L2)	4 / OG																								
Ground	7 / GN	J4 Load (L2)	4 / BK																								
J1 Load (L2)	6 / RD	J5 Load (L2)	2 / BU																								
J2 Load (L2)	1 / OG	J6 Load (L2)	3 / YE																								
			8 / BN																								

**8-port, 250 VAC/300 VDC**

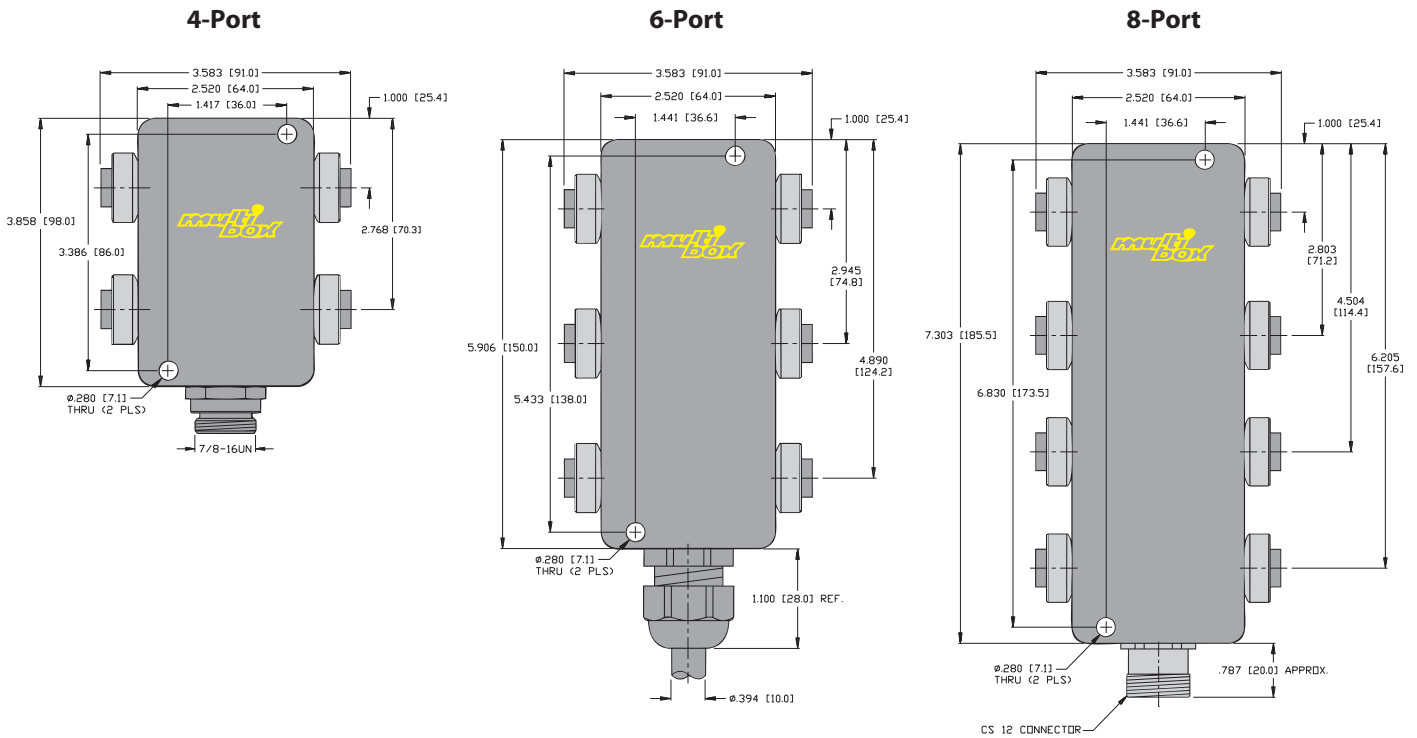
Application	Specifications	Pinout	Part Number																												
8-port J-box Standard wiring Integral cable	4 A/port, 9 A total PVC cable, black, 10x18 AWG, foil shield and 20 AWG drain	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Color</u></td> <td><u>Function</u></td> <td><u>Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>WH</td> <td>J4 Load (L2)</td> <td>BU</td> </tr> <tr> <td>Ground</td> <td>GN</td> <td>J5 Load (L2)</td> <td>GY</td> </tr> <tr> <td>J1 Load (L2)</td> <td>RD</td> <td>J6 Load (L2)</td> <td>YE</td> </tr> <tr> <td>J2 Load (L2)</td> <td>VT</td> <td>J7 Load (L2)</td> <td>OG</td> </tr> <tr> <td>J3 Load (L2)</td> <td>BK</td> <td>J8 Load (L2)</td> <td>BN</td> </tr> </table>	<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>	Common (L1)	WH	J4 Load (L2)	BU	Ground	GN	J5 Load (L2)	GY	J1 Load (L2)	RD	J6 Load (L2)	YE	J2 Load (L2)	VT	J7 Load (L2)	OG	J3 Load (L2)	BK	J8 Load (L2)	BN	8 RKF 30-*M				
<u>Function</u>	<u>Color</u>	<u>Function</u>	<u>Color</u>																												
Common (L1)	WH	J4 Load (L2)	BU																												
Ground	GN	J5 Load (L2)	GY																												
J1 Load (L2)	RD	J6 Load (L2)	YE																												
J2 Load (L2)	VT	J7 Load (L2)	OG																												
J3 Load (L2)	BK	J8 Load (L2)	BN																												
8-port J-box, Standard wiring <i>multifast</i> connector	4 A/port, 7 A total 12-pin <i>multifast</i> connector, 10 conductors, mates with CKRM 12-10-*	<table border="0"> <tr> <td><u>Function</u></td> <td><u>Pin / Color</u></td> <td><u>Function</u></td> <td><u>Pin / Color</u></td> </tr> <tr> <td>Common (L1)</td> <td>5 / WH</td> <td>J4 Load (L2)</td> <td>4 / OG</td> </tr> <tr> <td>Ground</td> <td>7 / GN</td> <td>J5 Load (L2)</td> <td>2 / BU</td> </tr> <tr> <td>J1 Load (L2)</td> <td>6 / RD</td> <td>J6 Load (L2)</td> <td>3 / GY</td> </tr> <tr> <td>J2 Load (L2)</td> <td>1 / VT</td> <td>J7 Load (L2)</td> <td>8 / YE</td> </tr> <tr> <td>J3 Load (L2)</td> <td>4 / BK</td> <td>J8 Load (L2)</td> <td>9 / OG</td> </tr> <tr> <td></td> <td></td> <td></td> <td>10 / BN</td> </tr> </table>	<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>	Common (L1)	5 / WH	J4 Load (L2)	4 / OG	Ground	7 / GN	J5 Load (L2)	2 / BU	J1 Load (L2)	6 / RD	J6 Load (L2)	3 / GY	J2 Load (L2)	1 / VT	J7 Load (L2)	8 / YE	J3 Load (L2)	4 / BK	J8 Load (L2)	9 / OG				10 / BN	8 RKF 30-CS12
<u>Function</u>	<u>Pin / Color</u>	<u>Function</u>	<u>Pin / Color</u>																												
Common (L1)	5 / WH	J4 Load (L2)	4 / OG																												
Ground	7 / GN	J5 Load (L2)	2 / BU																												
J1 Load (L2)	6 / RD	J6 Load (L2)	3 / GY																												
J2 Load (L2)	1 / VT	J7 Load (L2)	8 / YE																												
J3 Load (L2)	4 / BK	J8 Load (L2)	9 / OG																												
			10 / BN																												

\* Length in meters

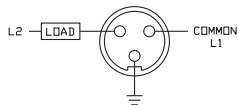
## Specifications

<b>Housing:</b>	Die cast aluminum alloy
<b>Connector:</b>	Nickel plated brass, oil resistant TPU contact carrier
<b>Contacts:</b>	Gold plated brass
<b>Cable:</b>	See table for specifications
<b>Temperature:</b>	-30°C to +80°C (-22°F to +176°F)
<b>Protection:</b>	IEC IP67
<b>Cable Length:</b>	Standard cable length is 6 meters. Other lengths available by request - consult factory

## Dimensions



### Wiring Diagram



Load (L2) is individual output. Common (L1) and Ground are wired parallel internally.

### Notes:

Clearance holes for 1/4-20 screws (2 places). All housings are 34.0 mm in height.

### Pinout

Female	Male	Male
<b>3-pin minifast</b>	<b>6-pin minifast</b>	<b>12-pin multifast</b>

Multibox, minifast