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4-port 3-pin M8 Female to 8-pin M12 Male Junction Block

Features

4-port Junction Block



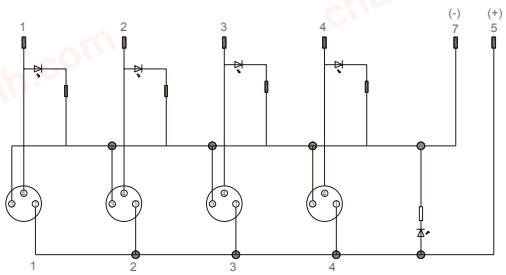
Banner's Junction Blocks are designed to reduce wiring and to simplify connecting multiple products.

- 3-pin M8 female termination with 8-pin M12 male connector
- NPN, PNP, and discrete models available
- 8 signals, pin 4 each port

Models

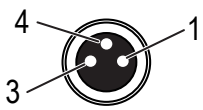
Model	Output	Indication
JB-4M8-M12-P4	PNP	LED
JB-4M8-M12-N4	NPN	
JB-4M8-M12-4	Discrete	Non-LED

Wiring



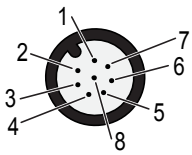
LED Indicating PNP
Other circuit diagram (NPN) can be customized

3-pin M8 Female Pinout



1 = Brown
3 = Blue
4 = Black

8-pin M12 Male Pinout



1 = White
2 = Brown
3 = Green
4 = Yellow
5 = Gray
6 = Pink
7 = Blue
8 = Red

Specifications

Voltage

LED models: 30 V DC
Non-LED models: 60 V DC

Current

6A total 2A per port

Original Instructions
20-Oct-25

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242044
p/n: 242044 Rev. B

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4-port 3-pin M8 Female to 8-pin M12 Male Junction Block

Indicators (LED models only)
Power LED: Red (0 or 4, depending on model)
Signal LED: Yellow (0 or 1, depending on model)

Construction
Body: PBT
Coupling nut: Nickel-plated brass

Vibration
Method: EN 60068-2-6:2008
Frequency Range: 10-55 Hz (Sine)
Amplitude: 0.5 mm
Sweep Cycle Duration: 5 minutes (2.5 min per sweep)
Dwell Duration at resonant frequency: 30 Minutes

Mechanical Shock
Method: EN 60068-2-27:2009
Pulse Shape: Half-Sine
Peak Acceleration: 30 G
Duration of the pulse: 11 mS

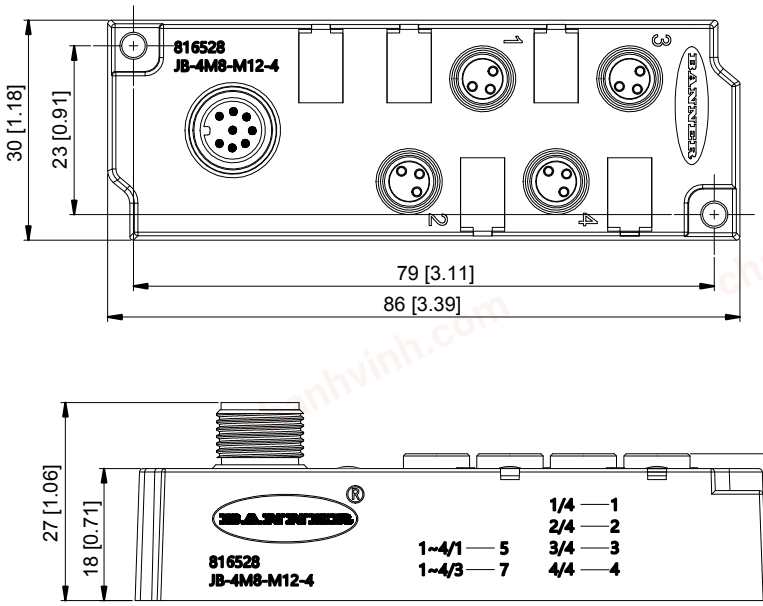
Environmental Ratings
IP67

Operating Conditions
–25 °C to +80 °C (–13 °F to +176 °F)

Certifications

Dimensions

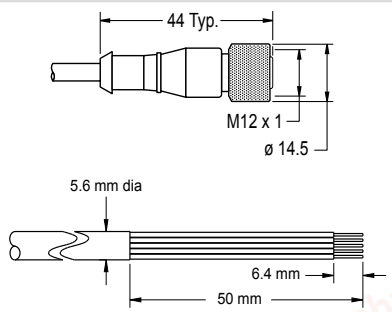
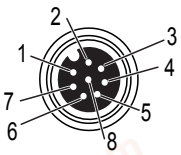
All measurements are listed in millimeters, unless noted otherwise. The measurements provided are subject to change.



Accessories

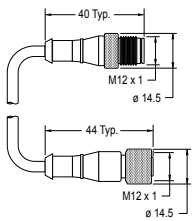
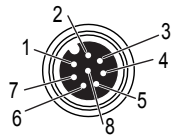
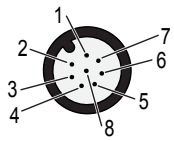
Cordsets

Home Run Cordsets

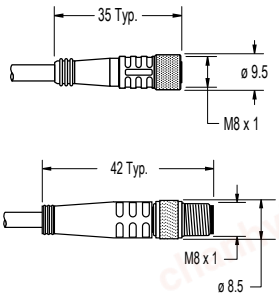
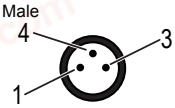
8-pin A-Code Single-Ended M12 Female Cordsets (datasheet p/n 235941)				
Model	**Length**	**Dimensions (mm)**	**Pinout (Female)**	
BC-M12F8-24-1	1 m (3.28 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8-24-2	2 m (6.56 ft)			
BC-M12F8-24-5	5 m (16.4 ft)			
BC-M12F8-24-10	10 m (30.81 ft)			

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8-pin A-Code Double-Ended M12 Female to M12 Male Cordsets (datasheet p/n 235955)				
Model	**Length**	**Dimensions (mm)**	**Pinouts (Female)**	**Pinouts (Male)**
BC-M12F8-M12M8-24-1	1 m (3.28 ft)			
BC-M12F8-M12M8-24-2	2 m (6.56 ft)			
BC-M12F8-M12M8-24-5	5 m (16.4 ft)			
BC-M12F8-M12M8-24-8	8 m (26.25 ft)		1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8-M12M8-24-10	10 m (30.81 ft)			
BC-M12F8-M12M8-24-15	15 m (49.2 ft)			

Signal Port Cordsets

3-pin Double-Ended M8 Female to M8 Male Cordsets (datasheet p/n 236620)				
Model	**Length**	**Dimensions (mm)**	**Pinout**	
BC-M8F3-M8M3-24-0.5	0.5 m (1.64 ft)		Female  Male 	1 = Brown 3 = Blue 4 = Black c UL us LISTED
BC-M8F3-M8M3-24-1	1 m (3.28 ft)			
BC-M8F3-M8M3-24-2	2 m (6.56 ft)			
BC-M8F3-M8M3-24-5	5 m (16.4 ft)			
BC-M8F3-M8M3-24-8	8 m (26.25 ft)			
BC-M8F3-M8M3-24-10	10 m (30.81 ft)			

Product Support and Maintenance

Repairs

Contact Banner Engineering for troubleshooting of this device. **Do not attempt any repairs to this Banner device; it contains no field-replaceable parts or components.** If the device, device part, or device component is determined to be defective by a Banner Applications Engineer, they will advise you of Banner's RMA (Return Merchandise Authorization) procedure.

IMPORTANT: If instructed to return the device, pack it with care. Damage that occurs in return shipping is not covered by warranty.

Contact Us

Banner Engineering Corp. | 9714 Tenth Avenue North | Plymouth, MN 55441, USA | Phone: + 1 888 373 6767

For worldwide locations and local representatives, visit www.bannerengineering.com.

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