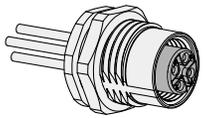


## Features



- M12, multiple length options
- Nickel-plated brass housing, unshielded, A-code connector
- Straight M12 connector, locknut included

## BR-M12xxR9-x Models

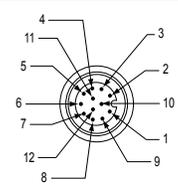
### Model Key

Housing	-	Connector	Gender	Pin Count	Mounting Style	Threading	-	Length
BR = Banner Receptacle		M12	M = Male	4	R = Rear Mount	9 = PG9		0.5 = 0.5 m
			F = Female	5				1 = 1 m
				8				2 = 2 m
				12				

M12 Rear Mount Receptacles - Female					
Model	Length	Dimensions (mm)	Pinout (Female)		
BR-M12F4R9-0.5	0.5 m (1.64 ft)			1 = Brown 2 = White 3 = Blue 4 = Black	
BR-M12F4R9-1	1 m (3.28 ft)				
BR-M12F4R9-2	2 m (6.56 ft)				
BR-M12F5R9-0.5	0.5 m (1.64 ft)				1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
BR-M12F5R9-1	1 m (3.28 ft)				
BR-M12F5R9-2	2 m (6.56 ft)				
BR-M12F8R9-0.5	0.5 m (1.64 ft)				1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BR-M12F8R9-1	1 m (3.28 ft)				
BR-M12F8R9-2	2 m (6.56 ft)				
BR-M12F12R9-0.5	0.5 m (1.64 ft)				1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Plum 11 = Black 12 = Violet

M12 Rear Mount Receptacles - Male					
Model	Length	Dimensions (mm)	Pinout (Male)		
BR-M12M4R9-0.5	0.5 m (1.64 ft)			1 = Brown 2 = White 3 = Blue 4 = Black	
BR-M12M4R9-1	1 m (3.28 ft)				
BR-M12M4R9-2	2 m (6.56 ft)				
BR-M12M5R9-0.5	0.5 m (1.64 ft)				1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray
BR-M12M5R9-1	1 m (3.28 ft)				
BR-M12M5R9-2	2 m (6.56 ft)				
BR-M12M8R9-0.5	0.5 m (1.64 ft)				1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red
BR-M12M8R9-1	1 m (3.28 ft)				
BR-M12M8R9-2	2 m (6.56 ft)				

Continued on page 2

M12 Rear Mount Receptacles - Male				
Model	Length	Dimensions (mm)	Pinout (Male)	
BR-M12M12R9-0.5	0.5 m (1.64 ft)			1 = White 2 = Brown 3 = Green 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red 9 = Orange 10 = Plum 11 = Black 12 = Violet

## BR-M12xxR9-x Specifications

### Current Rating

- 4-pin and 5-pin receptacles: 4 A
- 8-pin receptacles: 2 A
- 12-pin receptacles: 1.5 A

### Voltage Rating

- 4-pin receptacles: 250 V AC/DC
- 5-pin receptacles: 60 V AC/DC
- 8-pin and 12-pin receptacles: 30 V AC/DC

### Conductors

- 4-pin receptacles: 4 × 22
- 5-pin receptacles: 5 × 22
- 8-pin receptacles: 8 × 24
- 12-pin receptacles: 12 × 26

### Construction

- Conductor material: PVC
- Contact carrier: TPU
- Contacts: Gold-plated brass
- Housing: Nickel-plated brass
- Threading: PG9
- O-Ring (female only): FKM rubber

### Operating Conditions

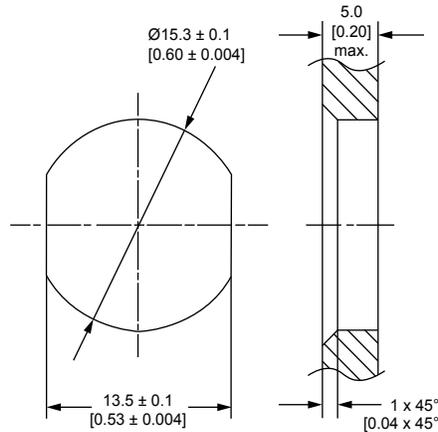
Operating temperature: -20 °C to +70 °C (-4 °F to +158 °F)

### Environmental Rating

IP67

## Recommended Panel Cut-Out

All measurements are listed in millimeters, unless noted otherwise.



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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

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 Original Instructions  
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