## **JB1 SERIES CONNECTORS**

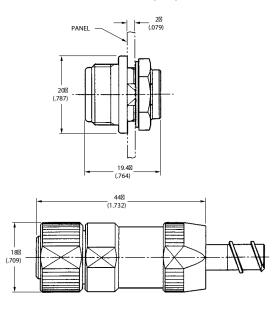
### General Purpose Waterproof, Miniature Circular Connectors



**FEATURES** 

- Compact circular connector for EMI protection
- Earth lug on plug can be grounded by attaching it to the shield line of the cable
- · Crimp contacts
- Waterproof when mated in accordance with IP67 specification

### Connector Profile (Ref.)



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The JB1 Series are circular, crimp connectors that are waterproof when in the mated condition. Applications for this series include various industrial equipment, and test & measurement equipment.

### **GENERAL SPECIFICATIONS**

Number of Contacts	3, 5, 10
Current Rating	3 Amp per contact
Rated Voltage	Less than 300 VAC r.m.s.
Dielectric Withstanding Voltage	900 VAC r.m.s. (for one minute)
Operating Temperature	-30°C to +85°C
Applicable Wire Size	AWG #22 to 28

### **MATERIALS AND FINISHES\***

Components	Receptacle (body & relay) Plug	
Housing	Synthetic resin	Synthetic resin
Shell	ell Zinc alloy (Nickel Plated) Zinc alloy (Nickel Pl	
End Bell	Aluminum alloy (Nickel Plated)	Aluminum alloy (Nickel Plated)
Ground Nut	Zinc alloy (Nickel Plated)	Zinc alloy (Nickel Plated)
0-Ring	Nitrile rubber	Nitrile rubber
Bushing	Nitrile rubber, ethylene propylene rubber	Nitrile rubber, ethylene propylene rubber
Contact	Copper alloy (Gold Plated)	Copper alloy (Gold Plated)

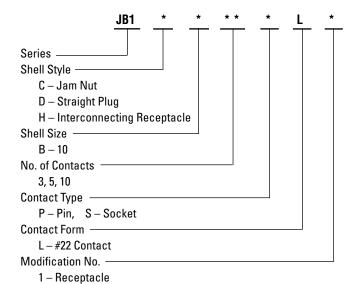
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Arrangement	3 Contacts	5 Contacts	10 Contacts
Contact Arrangement (View from Pin Insert Mating Side)			
Size x No. of Contact	#22 x 3	#22 x 5	#22 x 10
Current Rating	3 Amps	3 Amps	3 Amps
Rated Voltage	300 VAC r.m.s.	300 VAC r.m.s.	300 VAC r.m.s.
D.W.V. (for one minute)	900 VAC r.m.s.	900 VAC r.m.s.	900 VAC r.m.s.
Applicable Wire	#22 ~ #28 AWG	#22 ~ #28 AWG	#26 ~ #28 AWG

### **ORDERING INFORMATION**

### •Connector



Note 1: Cable plugs are waterproof only in the mated condition.

#### Contacts

Part No.	Applicable Wire	
	Wire Size	Insulation Outer
D02-22-22P-10000	AWG#22 - 24	Ø 1.3
D02-22-26P-10000	AWG#26 - 28	Ø 1.1
D02-22-22P-PKG100	AWG#22 - 24	Ø 1.3
D02-22-26P-PKG100	AWG#26 - 28	Ø 1.1

### •Crimp Tooling

Hand Tool	CT150-2-D02
Machine Press	CP215-4B
Applicator	350-D02-2

Dimensions in mm (inches).

2 – Plug, Anti-oil (Note 1) 5 – Weatherproof (Note 1)

<sup>•</sup> Please consult JAE for verification of product availability.