JB3 SERIES CONNECTORS

General Purpose Waterproof, Miniature Circular Connectors

The JB3 Series is a waterproof circular connector with solder contacts for excellent resistance to harsh environments. Uses include FA equipment and outdoor electronic devices.

FEATURES

- Jam nut receptacle allows easy panel mounting
- Front insulator has synthetic rubber for waterproofing
- Cable plug is waterproof when assembled
- Solder contacts
- Consult JAE for your cable requirements

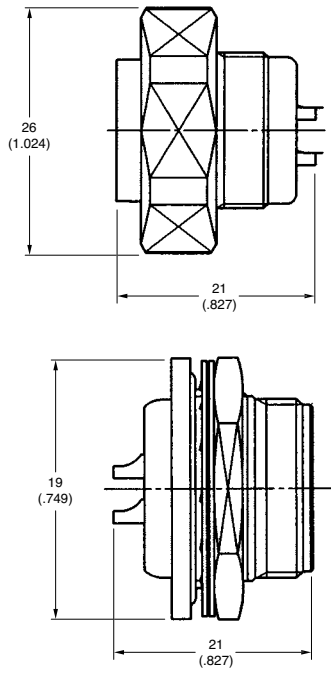
GENERAL SPECIFICATIONS

Number of Contacts	3, 4, 8
Current Rating	For 3 and 4 contact: 10 Amp per contact For 8 contact: 5 Amps per contact
Dielectric Withstanding Voltage	For 3 contact: 2,000 VAC r.m.s. (for one minute) For 4 and 8 contact: 1,500 VAC r.m.s. (for one minute)
Operating Temperature	-25°C to +85°C
Connection	Solder (Condition: 350° ±10°C, 3 seconds ±1 second)
Insertion/Removal Life	100 times

MATERIALS AND FINISHES*

Components	Receptacle	Plug
Shell	Zinc alloy (Nickel plating)	–
Front Insulator	Synthetic rubber	Synthetic resin
Rear Insulator	Synthetic rubber	Synthetic resin
Contact	Copper alloy (Gold plating)	Copper alloy (Gold plating)
Jam Nut	Copper alloy (Nickel plating)	–
Plate Washer	Copper alloy (Nickel plating)	–
Internal Tooth Washer	Copper alloy (Nickel plating)	–
O-Ring	Synthetic rubber	–
Barrel	–	Zinc alloy (Chrome plating)
Coupling Nut	–	Copper alloy (Nickel plating)
Spacer	–	Synthetic resin
Hood	–	Synthetic resin
Adapter	–	Synthetic resin

Connector Profile (Ref.)



ORDERING INFORMATION

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Series
Shell Style
E – Straight Plug (without endbell)
C – Jam Nut Receptacle
Connector Size
No. of Contacts
03 – 3
04 – 4
08 – 8
Contact Type
M – Pin, F – Socket
Contact Size
G – #12, K – #20
Modification

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.