

JB5 Series

Compact Push-Pull Circular Connector

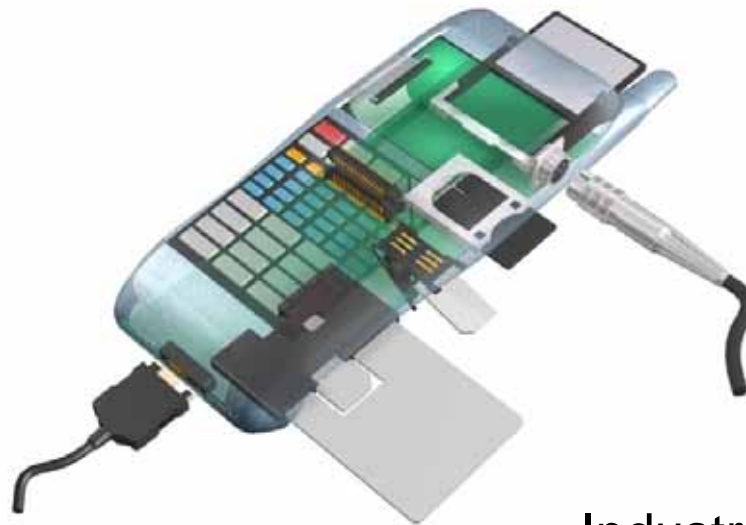
Training Module

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Application Examples

- Handheld PCs
 - Scanners
- Medical Equipment
- Measuring Instruments
- Communication Equipment
- Other compact devices



Industrial hand-held device

Key Features

Compact Waterproof Circular Connector

- Waterproof and dust proof rating: IP68 protection level (When mated and for the individual receptacle)
- Compact 14.8mm diameter compatible with connectors up to 8 positions (plug outside diameter: 11mm)
- Push-pull mating structure enables easy one-handed insertion and removal
- Audible “click” confirms secure locking when mating
- Metal shell and ground terminal of the receptacle ensure optimal shielding



*Contact Sales for additional available color options other than standard black

General Specifications

No. of Positions	3	4	5	6	8
Operating Temperature Range	-55 to +85°C				
Rated Current	3A per pos.			2A per pos.	
Rated Voltage	320 VAC			200 VAC	
Mating Durability	5000 cycles				
Applicable Wire	22 AWG max.	24 AWG max.		28 AWG max.	
Applicable Diameter Of Cable	Max. outer diameter of cable: 4.5 to 5 mm				
Connector Outer Diameter	14.8mm max.				
Boot Color Options	Standard Black (Contact Sales for color options availability)				

Plugs/Boots



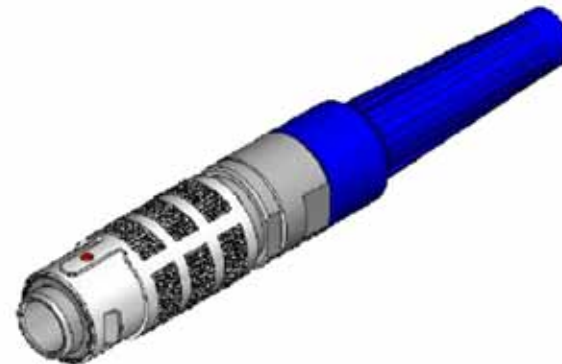
Materials and Finishes

Component		Material
Receptacle	Plug	
Socket Contact	Position Contact	Copper alloy / Au over Ni plating
Shell	Ground Nut	Copper alloy / Chrome over Cu plating
Insulator	Insulator	Glass-filled Nylon
Assembly Nut	Coupling Nut	Zinc alloy / Chrome over Cu plating
Dust Cap	Bushing	EPDM rubber
Gasket		Silicon Rubber
"O" Ring		Nitrile rubber
Ground Pin		Copper alloy / Sn plating
	Barrel	Zinc alloy / Chrome over Cu plating
	Spacer	Copper alloy / Ni plating
	Lock Spring	Copper alloy / Ni over Cu plating
	Shield Sleeve	Copper alloy / Ni plating
	Clamp	Copper alloy / Ni plating
	Boot	Polyester Elastomer
	Outer Boot Clamp	Polyacetal

Receptacle



Plug



Summary

- JB5 Series compact push-pull circular connector has an IP68 waterproof and dust proof rating
- JB5 circular connector is available in 3, 4, 5, 6 and 8 positions
- The mating durability is 5000 cycles
- Additional color-coded plug boots may be requested based on availability



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