



RUGGED REVERSE-BAYONET Super ITS-IFO B High-Speed High-Data Rate Fiber Optic Connectors



12-Pole Fiber Optic Connector and Backshell



Super ITS - IFO B 12-pole, size 32 connectors with environmental backshell

Super ITS - IFO B fiber optic connectors deliver ruggedized high-speed, high data rate I/O interconnect performance in extreme environmental conditions. Designed to optimize high fiber tensile strength, axial alignment, and resistance to micro-bending for improved optical performance. Environmental backshells are available with or without additional strain relief. Styles include plug and wall-mount receptacle.

Connector Technical Characteristics	
Property	Description
Connection	Fiber Optic
Fiber Type	9/125 - 50/125 - 62/125
Insertion Loss [DB]	≤ 1.4 dB
Working Temperature	-25° to +85° C
Flammability	UL94-V0
Insert	Thermoplastic Resin
Shell	Aluminum Alloy; see Material/Finish table for available platings
Mating Cycles	500 Cycles
Environmental Rating	IP67 (mated)
Gaskets and Bushings	Polychloroprene and Silicone Rubber
Optical Contact Technical Characteristics	
Optical Contacts	Zirconia ferrules
	Stainless steel springs
	Zirconia split sleeves
Ferrule Diameter	2.5 mm

How To Order	
Sample Part Number:	IFO B 00 32 -12 M 9 PG F7
Series	IFO B = ITS MIL-DTL-5015 Type fiber optic reverse bayonet coupling
Shell Style	00 = See shell style table
Shell Size	32
No. of Fibers	12
Contact Gender	M = Male F = Female
Fiber Type	9 - Single mode 9/125 50 - Multimode 50/125 62.5 - Multimode 62.5/125
Backshell	PG = Backshells for conduit termination
Material / Finish	Omit for aluminum / cadmium olive drab F6 = Aluminum / black electrodeposited paint; RoHS compliant F7 = Aluminum / black zinc nickel

Connector Shell Styles	
Code	Description
00	Front panel-mount, wall-mount receptacle with through-holes
06	Plug

Available Backshell	
Description	Style
PG Conduit Termination Backshell	

SUPER ITS: HIGH-SPEED, HIGH DATA-RATE

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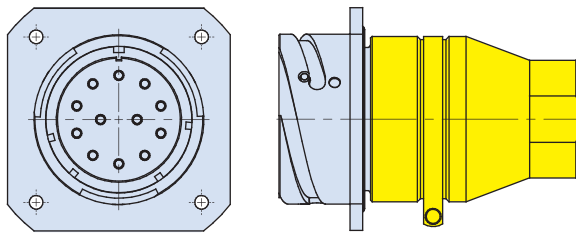


12-Pole Fiber Optic Connector and Backshell

Glenair Super ITS - IFO B Fiber Optic reverse bayonet, shell size 32 connectors offer a twelve-pole fiber optic interconnect solution packaged in a rugged, reverse-bayonet design with integrated environmental sealing. Connectors with accessory threads may be outfitted with a PG environmentally-sealed backshell for conduit termination. Protective covers are available for use at all times when connectors are in unmated condition.

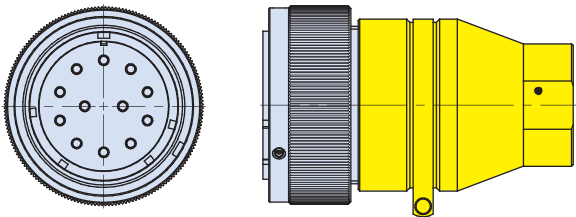
Fiber Optic Contacts	
Contact	Dimensions
Male	
Female	

SHELL STYLE 00: FRONT PANEL-MOUNT, WALL-MOUNT RECEPTACLE WITH THROUGH-HOLES AND PG BACKSHELL FOR CONDUIT TERMINATION



Sample Part Number							
IFO B	00	32	-12	M	9	PG	F7
IFO B Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

SHELL STYLE 06: PLUG AND PG BACKSHELL FOR CONDUIT TERMINATION



Sample Part Number							
IFO B	06	32	-12	M	9	PG	F7
IFO B Series	Shell Style	Shell Size	No. Of Fibers	Contact Gender	Fiber Type	Backshell	Material / Finish

Part Number Options
Contact Gender
M = Male F = Female
Fiber Type
9 - Single mode 9/125 50 - Multimode 50/125 62.5 - Multimode 62.5/125
Backshell
PG = Environmentally sealed backshell for conduit termination Omit for none
Material / Finish
Omit for aluminum/cadmium olive drab F6 = Aluminum/black electrodeposited paint; RoHS F7 = Aluminum/black zinc nickel; RoHS

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