



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	3
Number of contacts High Voltage	2
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	12.60 - 13.00 mm
Size	4S
Suggested matching part	<a href="#">ERA.4S.703.CJL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-4s-703-cjac13.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-4s-703-cjac13.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
Number of contacts High Voltage	2
Contact Termination High voltage	Solder
Insert configuration value	4S.703 - 1 High V. 3 Low V.
Insulator	J: PEEK/PEEK
Rated current	LV 16, HV 6 A
Test voltage LV Ue (kV rms)	3
Working voltage HV contact - Us (kV rms)	2.1
Important recommendation	Please use heatshrink to guarantee High Voltage performance.

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Weight	130.19 g

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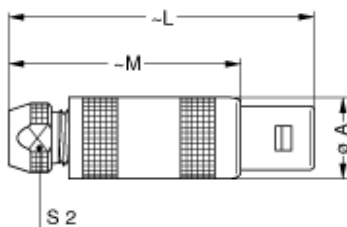
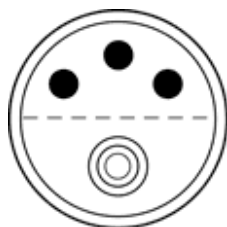
## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	12.60 - 13.00 mm

## Drawings



## Dimensions

	A	M	S2	L
mm.	24.8	59	19	77
in.	0.98	2.32	0.75	3.03

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# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BFA.4S.100.NAS</a>
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