

Special*Image for illustrative purpose only*

Summary

[Request a quote](#)[Catalog](#)

Number of contacts Low Voltage	4
Number of contacts High Voltage	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.80 - 7.20 mm
Size	3S
Suggested matching part	ERA.3S.704.CJL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffp-3s-704-clac72z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	3S.704 - 1 High V. 4 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	LV 10, HV 3 A
Test voltage LV Ue (kV rms)	1
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	FFP - Straight plug, cable collet and inner anti-rotating device and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	55.96 g

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffp-3s-704-clac72z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

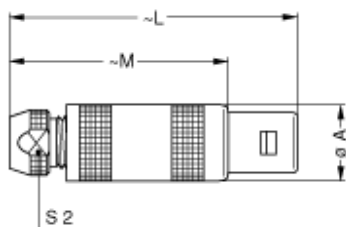
Environment

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.)
Climatic Category	55/175/21
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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.80 - 7.20 mm

Drawings



Dimensions

	A	L	M	S2
mm.	17.8	61	46	14
in.	0.7	2.4	1.81	0.55

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffp-3s-704-clac72z.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Recommended By Lemo

Accessories	
Compatible cap	BFG.3B.100.PCSG
Tools	
Spanner wrench	DCP.91.023.TN