



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Size	1S
Suggested matching part	ERA.1S.408.CLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffr-1s-408-clae61.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 High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	1S.408 - 1 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Rear of connector must be protected	ATUM
Test voltage (kV DC)	18
Creepage distance	20.4 mm
Contact Dia.	0.9
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FFR - Straight plug for cable crimping with safety ring
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	Circular, male
Colour	Grey
Weight	13.87 g

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffr-1s-408-clae61.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.)
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	Crimp

Recommended By Lemo

Accessories

Compatible cap	BFG.1B.100.PCZG
----------------	---------------------------------

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffr-1s-408-clae61.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.