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Summary

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Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 4.60 mm
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-clae46.html

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Technical details

Electrical Configuration

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
Contact Type	Solder
Creepage distance	20.4 mm
Contact Dia.	0.9
Number of contacts High Voltage	1
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	13.56 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
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
Jacket cable outside diameter [mm]	4.00 - 4.60 mm

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