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Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.80 - 10.50 mm
Size	3S
Suggested matching part	ERA.3S.318.CLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffp-3s-318-clac11.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3S.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Test voltage (kV DC)	1.5
Max. Solid Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FFP - Straight plug, cable collet and inner anti-rotating device
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	54.69 g

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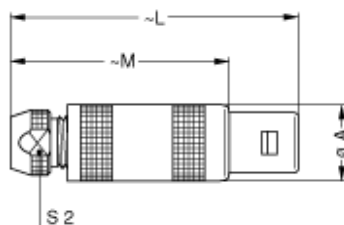
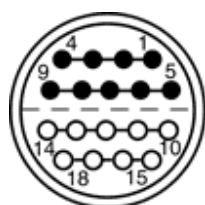
Environment

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]	9.80 - 10.50 mm

Drawings



Dimensions

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

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Recommended By Lemo

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