

Special



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Summary

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[SE series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	5
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.10 - 10.00 mm
Size	4S
Suggested matching part	ERA.4S.305.CLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-4s-305-clac10.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
Insert configuration value	4S.305 - 2 (3 mm) + 3 (2 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 mm : 22 A, 2 mm : 16 A
Test voltage (kV DC)	3
Bucket Dia.	2x2.70 mm, 3x1.80 mm
Contact Dia.	2x3.0mm, 3x2.0 mm
Wire Size/AWG details	3.0 mm : 12 (AWG max), 2.0 mm : 16 (AWG max)

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	136.49 g

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

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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.10 - 10.00 mm

Recommended By Lemo

Caps

Compatible cap	BFA.4S.100.NAS
Cap 2	BFA.4S.100.NAV

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