

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[SE series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.20 - 5.70 mm
Size	1S
Suggested matching part	<a href="#">ERA.1S.306.CLL</a> <a href="#">PCA.1S.306.CLLC57</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-306-clac57.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-306-clac57.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1S.306 - 6 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage (kV DC)	1.7
Max. Solid Conductor	0.25 mm <sup>2</sup> (AWG 24)
Max. Stranded Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	32 - 24

## 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	13.9 g

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## Environment

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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

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Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.20 - 5.70 mm

# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BFG.1B.100.PCZG</a>
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## CAD

## Documents

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Eplan	<a href="#">Download</a>
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[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-306-clac57.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-306-clac57.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
12080	PVC	Grey	
160260	PVC	Black	

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