



## Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	32 - 24
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	0S
Matching parts	<a href="#">ERA.0S.303.CLL</a>
Series	S - Indoor Stepped Insert

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-303-clak57.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-303-clak57.html)

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## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	0S.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps
Vtest	1060 V (AC), 1500 V (DC)
Contact Type	Solder
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)
Number of contacts Low Voltage	3
Wire Size/AWG	32 - 24

## Form & Material

Shell style / Model id	FFA - Straight plug with oversize 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
Weight	12.19 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental protection (IP rating)	IP50
Minimal temperature	-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

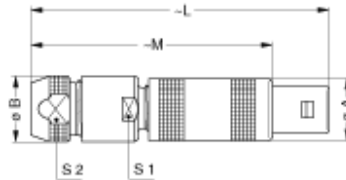
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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.20 mm

## Drawings



## Dimensions

	<b>B</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>	<b>A</b>
mm.	10	45.5	35.5	9	8.5	9
in.	0.39	1.79	1.4	0.35	0.33	0.35

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