



## Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	32 - 24
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 3.70 mm
Size	0S
Matching parts	<a href="#">FFA.0S.303.CLAL37</a>
Series	S - Indoor Stepped Insert

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/psa-0s-303-cll37.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-0s-303-cll37.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	PSA - Fixed receptacle, nut fixing, cable collet
Socket / Receptacle	Fixed Panel Front Mounted
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 female pin 1

## 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

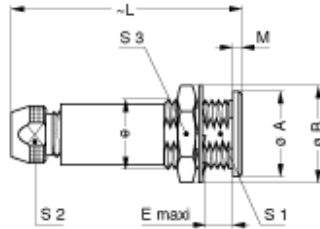
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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.30 - 3.70 mm

## Drawings



## Dimensions

	A	B	e	E	L	M	S1	S2	S3	C
mm.	10	12.5	M9x0.6	7	33.5	1.2	8.2	6.5	11	4.2
in.	0.39	0.49		0.28	1.32	0.05	0.32	0.26	0.43	0.17

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