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Summary

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Number of contacts Low Voltage	5
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.90 - 6.50 mm
Size	1S
Suggested matching part	FFA.1S.305.CLAC42
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-1s-305-cllc66.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
Insert configuration value	1S.305 - 2 (0.9 mm) + 3 (0.7 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2x0.9 contacts : 10 Amps and 3x0,7 contacts : 7 A
Vtest	1500 V (AC), 2100 V (DC)
Contact Type	Solder
Number of contacts Low Voltage	5

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
Colour	Grey
Weight	14.84 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
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

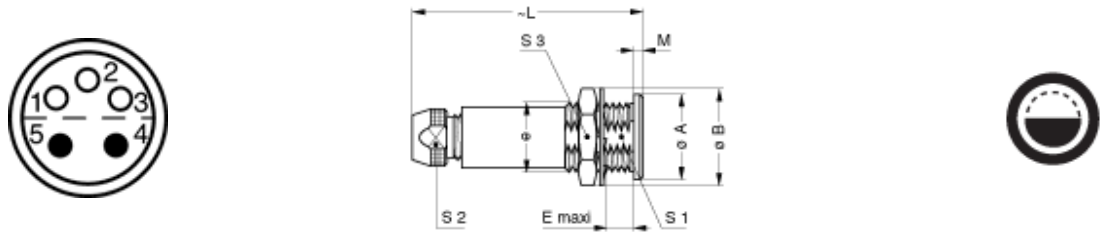
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.90 - 6.50 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1	S2	S3	C
mm.	14	16	M12x1.0	7.5	40.5	1.5	10.5	8.5	14	6.2
in.	0.55	0.63		0.3	1.59	0.06	0.41	0.33	0.55	0.24