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Summary

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Number of contacts Low Voltage	5
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
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/erd-1s-305-clv.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Elbow
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
Test voltage (kV DC)	2.1

Form & Material

Shell style / Model id	ERD - Fixed receptacle with two nuts (back panel mounting)
Socket / Receptacle	Fixed Panel Rear 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	10.32 g

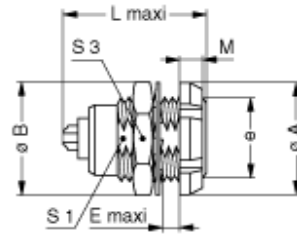
Environment

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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Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
mm.	16	16	M12x1.0	6	20.2	3.5	10.5	14
in.	0.63	0.63		0.24	0.8	0.14	0.41	0.55

Recommended By Lemo

Accessories

Compatible cap

[BRE.1S.200.NAS](#)

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