

Standard



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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	28 - 20
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.80 - 9.70 mm
Size	3S
Suggested matching part	FFA.3S.310.CLAC97
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/psa-3s-310-clic97.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3S.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 A
Test voltage (kV DC)	1.5
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20

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

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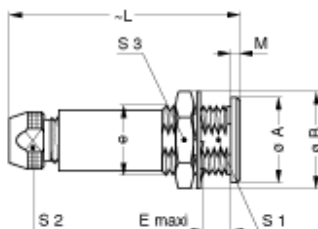
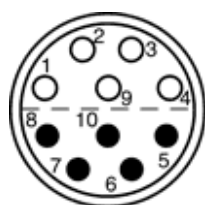
Environment

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 (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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.80 - 9.70 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1	S2	S3
mm.	22	25.2	M18x1.0	11.5	59	2	16.5	14	22
in.	0.87	0.99		0.45	2.32	0.08	0.65	0.55	0.87

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Recommended By Lemo

Accessories	
Compatible cap	BRA.3B.200.PCSG
Tools	
Spanner wrench	DCP.91.023.TN