



Image for illustrative purpose only

Summary

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Number of contacts Low Voltage	5
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.20 - 3.20 mm
Size	1S
Suggested matching part	FFA.1S.305.CLAC32Z
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-1s-305-cllc32z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
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	0.9 mm : 10 A, 0.7 mm : 7 A
Test voltage (kV DC)	2.1
Bucket Dia.	2x0.8 mm, 3x0.8 mm
Contact Dia.	2x0.9 mm, 3x0.7 mm
Wire Size/AWG details	0.9 mm : 22 (AWG max), 0.7 mm : 26 (AWG max)

Form & Material

Shell style / Model id	PCA - Free receptacle, cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
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
Variant	Nut for fitting a bend relief
Weight	21 g

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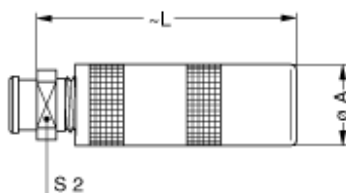
Environment

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.)
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

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.20 - 3.20 mm

Drawings



Dimensions

	A	L	S2
mm.	11.9	40.5	9
in.	0.47	1.59	0.35

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Recommended By Lemo

Accessories

Compatible cap

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

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