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## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	28 - 20
Plug	Plug - Fixed
Locking system	Snap-on
Size	2S
Suggested matching part	<a href="#">PCA.2S.306.CLLC32</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/faa-2s-306-cla.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/faa-2s-306-cla.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	2S.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest	1500 V (AC), 2100 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts Low Voltage	6
Wire Size/AWG	28 - 20

## Form & Material

Shell style / Model id	FAA - Fixed plug, non-latching, nut fixing
Plug	Fixed
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	Snap-on
Keying	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Weight	15.83 g

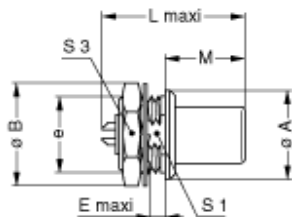
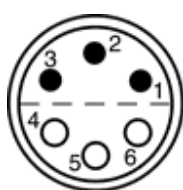
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## Environment

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
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

## Drawings



## Dimensions

	<b>L</b>	<b>M</b>	<b>E</b>	<b>A</b>	<b>B</b>	<b>e</b>	<b>S3</b>	<b>A</b>	<b>S1</b>
mm.	25	13.8	4	18	19.5	M15x1.0	17	18	13.5
in.	0.98	0.54	0.16	0.71	0.77		0.67	0.71	0.53

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T20.062PGZE		grey	
CMN.06.T20.062PNZE			
CMN.06.T20.062QGZE	TPR (medical)	Grey	
CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
106220	PVC	Black	
106240	PTFE	White	
12080	PVC	Grey	
160140	PVC	Grey	
160240	PVC	Black	
160260	PVC	Black	
260250	PVC	Grey	
360500	PVC	Grey	
360750	PVC	Grey	
60260	PTFE	White	
6280	PVC	Black	

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