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## Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	30 - 22
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.20 - 5.20 mm
Suggested matching part	<a href="#">ERA.1S.303.CLL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/fla-1s-303-clac47.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-1s-303-clac47.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1S.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Vtest	1200 V (AC), 1800 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Number of contacts Low Voltage	3
Wire Size/AWG	30 - 22

## Form & Material

Shell style / Model id	FLA - Elbow plug, cable collet
Plug	Elbow
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 male pin 1
Colour	Gray
Weight	25 g

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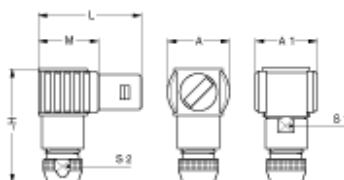
## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
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	>144 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.20 - 5.20 mm

## Drawings



## Dimensions

	<b>A</b>	<b>H</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>	<b>A1</b>
mm.	16	28.5	26.5	15.5	10	8.5	16
in.	0.63	1.12	1.04	0.61	0.39	0.33	0.63

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# Recommended By Lemo

## Accessories

Compatible cap

[BFG.1B.100.PCZG](#)

## Cables

Cable PartNumber	Material	Colour	Cable image
130240	PVC	Black	
130250	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

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