



## Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	24 - 16
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 4.20 mm
Matching parts	<a href="#">ERA.2S.302.CLL</a>
Series	S - Indoor Stepped Insert

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/fla-2s-302-clac42.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-2s-302-clac42.html)

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## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	2S.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 Amps
Vtest	1700 V (AC), 2400 V (DC)
Contact Type	Solder
Max. Solid Conductor	1 mm <sup>2</sup> (AWG 16)
Max. Stranded Conductor	1 mm <sup>2</sup> (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Number of contacts Low Voltage	2
Wire Size/AWG	24 - 16

## 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
Weight	49.1 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental protection (IP rating)	IP50
Minimal temperature	-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

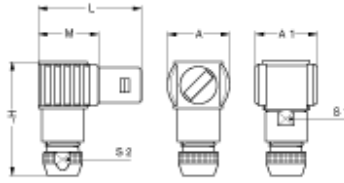
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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.30 - 4.20 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.	20	37	31	19	13	11	20
in.	0.79	1.46	1.22	0.75	0.51	0.43	0.79

## Recommended By Lemo














### Accessories

### Tools

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/fla-2s-302-clac42.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-2s-302-clac42.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2080	PVC	Grey	
2280	PVC	Black	

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