



## Summary

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Low Voltage	2
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.30 - 2.20 mm
Size	0S
Matching parts	<a href="#">ERA.0S.302.CLL</a>
Series	S - Indoor Stepped Insert

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clal22.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clal22.html)

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## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	0S.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 Amps
Vtest	1500 V (AC), 2100 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)
Low Voltage	2
Wire Size/AWG	30 - 22

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
Plug	Straight
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	8.23 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	>1000 hr

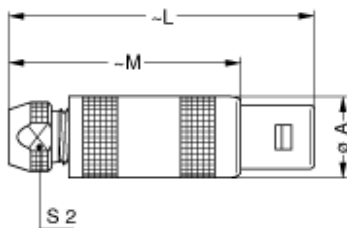
[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clal22.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clal22.html)

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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	1.30 - 2.20 mm

## Drawings



## Dimensions

	L	A	S2	M
mm.	34.5	9	6.5	24.5
in.	1.36	0.35	0.26	0.96

## Recommended By Lemo

### Accessories

### Tools

Spanner wrench

[DCD.0S.ZZZ.PA065](#)

## Cables

Cable PartNumber	Material	Colour	Cable image
20550	PUR	Black	
20560	PUR	White	
CMB.02.210.635	PUR	Black	

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-cla122.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-cla122.html)

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