



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	0S
Suggested matching part	<a href="#">ERA.0S.302.CLL</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clak52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clak52.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
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 A
Test voltage (kV DC)	1.6
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)
Wire Size/AWG	30 - 22

## Form & Material

Shell style / Model id	FFA - Straight plug with oversize 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
Colour	Grey
Weight	11.95 g

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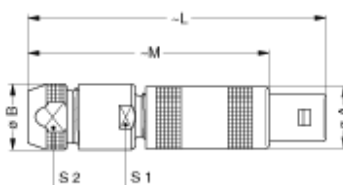
## Environment

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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

## Drawings



## Dimensions

	B	L	M	S1	S2	A
mm.	10	45.5	35.5	9	8.5	9
in.	0.39	1.79	1.4	0.35	0.33	0.35

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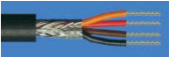
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# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFG.0B.100.PCZG</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
120240	PVC	Black	
120250	PVC	Grey	
2221	PVC	Black	
4082	PVC	Grey	

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