

Standard



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	1
Number of contacts High Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	1B
Suggested matching part	<a href="#">PHG.1B.731.CJLD42</a>
Series	B - Indoor keyed

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	1
Contact Termination Low voltage	Solder
Number of contacts High Voltage	2
Contact Termination High voltage	Solder
Insert configuration value	1B.731 - 2 High V. 1 Low V.
Insulator	J: PEEK/PEEK
Rated current	12 A
Test voltage HV Ue (kV rms)	5.3
Working voltage LV Us (kV rms)	0.4
Contact Dia.	1.3
Wire Size/AWG	28 - 20
Gender	Standard

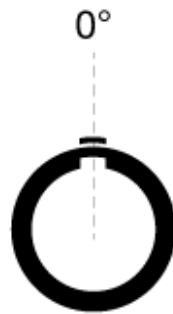
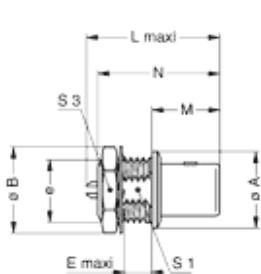
## Form & Material

Shell style / Model id	FA - 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	11.7 g

## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C (max. temperature valid for short periods of use.)
Climatic Category	55/175/21
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>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>S1</b>	<b>S3</b>
mm.	14	16	M12x1.0	5.4	25.2	12.5	21.6	10.5	14
in.	0.55	0.63		0.21	0.99	0.49	0.85	0.41	0.55

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-1b-731-cja.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-1b-731-cja.html)

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# Recommended By Lemo

## Tools

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Spanner

DCA.91.201.4TN

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-1b-731-cja.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-1b-731-cja.html)

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