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## Summary

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Number of contacts Low Voltage	20
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.10 - 10.50 mm
Size	4B
Suggested matching part	<a href="#">EGG.4B.320.CLL</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fng-4b-320-cycd10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fng-4b-320-cycd10z.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	4B.320 - 20 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	8 A
Vtest (contact-contact)	1050 V (AC), 1490 V (DC)
Vtest (contact-shell)	950 V (AC), 1340 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Min. Conductor	0.25 mm <sup>2</sup> (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Number of contacts Low Voltage	20
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	FN - Straight plug, cable collet and lanyard release
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	119.06 g

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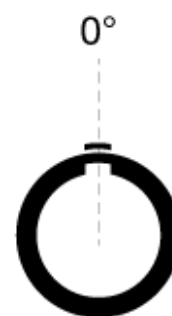
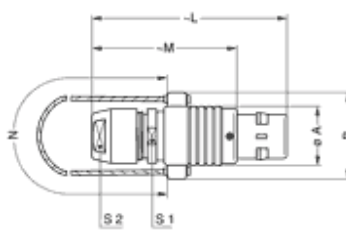
## Environment

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
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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	9.10 - 10.50 mm

## Drawings



## Dimensions

	<b>N</b>	<b>S1</b>	<b>S2</b>	<b>M</b>	<b>L</b>	<b>B</b>	<b>A</b>
mm.	230	21	20	57	75	35.2	25
in.	9.06	0.83	0.79	2.24	2.95	1.39	0.98

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# Recommended By Lemo

## Accessories

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Replacement contact [FGG.4B.560.ZZC](#)

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Compatible cap [BFG.4B.100.NAS](#)

## Tools

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Positionner [DCE.91.094.BVC](#)

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Extraction tool [DCC.09.05B.LAG](#)

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Crimp tool [DPC.91.701.V](#)

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