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## Summary

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Number of contacts Low Voltage	20
Wire Size/AWG	24 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.20 - 9.20 mm
Size	4B
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/phg-4b-320-cymm92z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-4b-320-cymm92z.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	20
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)	2.7 kV (DC)
Vtest (contact-shell)	2.6 kV (DC)
Contact retention	30 N
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)
Wire Size/AWG	24 - 20
Gender	Standard

## Form & Material

Shell style / Model id	PH - Free receptacle, cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
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	170.6 g

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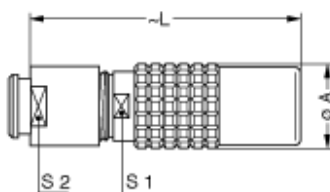
## Environment

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 (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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.20 - 9.20 mm

## Drawings



## Dimensions

	S2	S1	L	A
mm.	20	21	69	26
in.	0.79	0.83	2.72	1.02

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# Recommended By Lemo

Accessories	
Replacement contact	<a href="#">EGG.4B.660.ZZM</a>
Compatible cap	<a href="#">BRF.4S.200.NAS</a>
Tools	
Positionner	<a href="#">DCE.91.094.BVM</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

## Cables

Cable PartNumber	Material	Colour	Cable image
420250	PVC	Grey	