



## Summary

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Number of contacts	4
Wire Size/AWG	14 - 10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.10 - 10.50 mm
Size	4B
Matching parts	<a href="#">FGA.4B.304.CYCD10Z</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/pha-4b-304-cymd10z.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pha-4b-304-cymd10z.html)

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## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.1 mOhm
Insert configuration value	4B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	30 Amps
Vtest (contact-contact)	1800 V (AC), 2550 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact retention	75 N
Contact Type	Crimp
Max. Conductor	4 mm <sup>2</sup> (AWG 10)
Min. Conductor	2.5 mm <sup>2</sup> (AWG 14)
Bucket Dia.	2.9 mm (0.114in)
Contact Dia.	3 mm (0.118in)
Number of contacts	4
Wire Size/AWG	14 - 10
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	2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	157.5 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 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

## Cable fixation

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

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