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## Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	3B
Suggested matching part	<a href="#">PHG.3B.318.LYMD82L</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fag-3b-318-lycn.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fag-3b-318-lycn.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3B.318 - 18 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	7 A
Vtest (contact-contact)	2.6 kV (DC)
Vtest (contact-shell)	2.3 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	FA - Fixed plug, non-latching, nut fixing
Plug	Fixed
Housing material	Aluminum alloy (anodized) 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	Black
Variant	Black anodized
Weight	18.01 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]

## Recommended By Lemo

### Accessories

Replacement contact	<a href="#">FGG.3B.560.ZZC</a>
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### Tools

Spanner	<a href="#">DCA.91.282.2TN</a>
Extraction tool	<a href="#">DCC.09.05B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	