



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	14
Wire Size/AWG	26 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.30 - 8.20 mm
Size	2B
Suggested matching part	<a href="#">PHW.2B.314.XYCD82</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	14
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	2B.314 - 14 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	6.5 A
Vtest (contact-contact)	2.3 kV (DC)
Vtest (contact-shell)	2.9 kV (DC)
Contact retention	22 N
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Aluminium (anthracite) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	22.51 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

## 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	max. 48 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.30 - 8.20 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.2B.655.ZZM</a>
---------------------	--------------------------------

## Tools

Positionner	<a href="#">DCE.91.072.BVM</a>
Extraction tool	<a href="#">DCC.07.04B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>
Spanner wrench	<a href="#">DCD.2B.ZZZ.PA120</a>

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xynd82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xynd82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Cables

Cable PartNumber	Material	Colour	Cable image
314250	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgw-2b-314-xymd82.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.