



Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.30 - 8.20 mm
Size	2B
Matching parts	EGB.2B.306.CLL
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgb-2b-306-cycd82z.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	2B.306 - 6 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 Amps
Vtest (contact-contact)	2000 V (AC), 2850 V (DC)
Vtest (contact-shell)	2350 V (AC), 3320 V (DC)
Contact retention	40 N
Contact Type	Crimp
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts Low Voltage	6
Wire Size/AWG	20 - 18
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
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	2 keys (alpha=45, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	29.46 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]	7.30 - 8.20 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.2B.565.ZZC
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Tools

Positionner	DCE.91.132.BVC
Extraction tool	DCC.13.15B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.2B.ZZZ.PA120

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Cables

Cable PartNumber	Material	Colour	Cable image
360500	PVC	Grey	
360750	PVC	Grey	

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