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Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	18 - 14
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.90 - 6.20 mm
Size	3B
Suggested matching part	EGA.3B.304.CYP
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fga-3b-304-cybd62.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max)	3.3 mOhm
Insert configuration value	3B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	17 A
Vtest (contact-contact)	3.4 kV (DC)
Vtest (contact-shell)	2.5 kV (DC)
Contact retention	65 N
Max. Conductor	1.5 mm ² (AWG 14)
Max. Solid Conductor	1.5 mm ² (AWG 14)
Max. Stranded Conductor	1.5 mm ² (AWG 16)
Min. Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.9 mm (0.075in)
Contact Dia.	2 mm (0.079in)
Wire Size/AWG	18 - 14
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
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	A: 2 keys (alpha=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	49.1 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.90 - 6.20 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.3B.576.ZZC
Compatible cap	BFG.3B.112.NAS








Tools

Spanner	DCP.91.023.TN
Positionner	DCE.91.203.BVCM
Extraction tool	DCC.20.25B.LAG
Crimp tool	DPC.91.101.A
Spanner wrench	DCD.3B.ZZZ.PA140

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T20.053PGZE		grey	
CMN.04.T20.053PNZE			
CMN.04.T20.053QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
240500	PVC	Grey	
4080	PVC	Grey	
4220	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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