

Standard



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Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	5
Wire Size/AWG	24 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.70 mm
Size	3B
Suggested matching part	EGG.3B.305.CLL

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-3b-305-clad72z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	3B.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12.5 A
Vtest (contact-contact)	2.7 kV (DC)
Vtest (contact-shell)	1.8 kV (DC)
Max. Solid Conductor	1 mm ² (AWG 16)
Max. Stranded Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	24 - 16
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable adapter 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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	48.64 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.)
Climatic Category	55/175/21
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]	6.30 - 7.70 mm

Recommended By Lemo

Accessories

Compatible cap	BFG.3B.112.NAS
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Tools

Spanner	DCP.91.023.TN
Spanner wrench	DCD.3B.ZZZ.PA150

CAD

Documents

Eplan	Download
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T18.065PGZE		grey	
CMN.05.T18.065PNZE			
250500	PVC	Grey	

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