FGG.0B.304.CLAD31Z



Summary

Request a quote

Catalog

See video assembly instructions

Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.30 - 3.20 mm
Size	0B
Matching parts	EGG.0B.304.CLL
Alternative part	FGG.0B.304.CLAD32Z
Series	B - Indoor keyed

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	0B.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps
Vtest (contact-contact)	850 V (AC), 1200 V (DC)
Vtest (contact-shell)	700 V (AC), 1000 V (DC)
Contact Type	Solder
Max. Conductor	0.34 mm^2 (AWG 22)
Max. Stranded Conductor	0.34 mm^2 (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	4
Differentiated pairs (High speed)	1
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

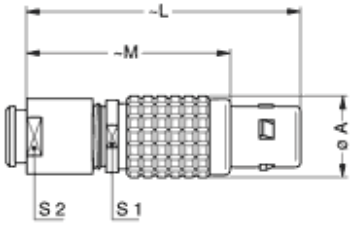
Shell style / Model id	FG - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Variant	Nut for fitting a bend relief
Weight	8.71 g

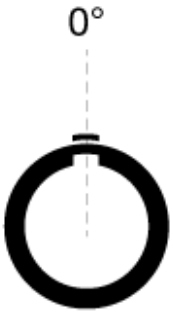
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Environment	
Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°C
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]	2.30 - 3.20 mm

Drawings







Dimensions

	S2	A	L	M	S1
mm.	7	9.5	35	25	8
in.	0.28	0.37	1.38	0.98	0.31

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-304-clad31z.html
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Recommended By Lemo

Accessories	
Compatible cap	BFG.0B.100.PCSG

Tools	
Spanner	DCP.91.001.TN
Spanner wrench	DCD.0B.ZZZ.PA070

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T28.031PGCE	PVC	GREY	
CMN.04.T28.031PGZE		grey	
CMN.04.T28.031PNCE	PVC	Black	
CMN.04.T28.031PNZE			
CMN.04.T28.031QGC	TPR	Grey	
4041	PVC	Grey	
4050	PVC	Black	

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