



Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.20 mm
Size	1B
Matching parts	EGK.1B.304.CLA
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgk-1b-304-clld72z.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1B.304 - 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 Amps
Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Vtest (contact-shell)	1450 V (AC), 2050 V (DC)
Contact Type	Solder
Max. Solid 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.	0.9 mm (0.035in)
Number of contacts Low Voltage	4
Differentiated pairs (High speed)	1
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
Gender	Reverse Gender

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 (gamma=70, plug: female contacts, receptacle: male contacts)
Variant	Nut for fitting a bend relief
Weight	15.81 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]	6.30 - 7.20 mm


Recommended By Lemo

Accessories

Tools

Spanner wrench	DCD.1B.ZZZ.PA090
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Cables

Cable PartNumber	Material	Colour	Cable image
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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