



Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.20 mm
Size	1B
Matching parts	EGK.1B.304.CYC
Series	B - Indoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgk-1b-304-cymd62z.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	1B.304 - 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	10 Amps
Vtest (contact-contact)	1700 V (AC), 2400 V (DC)
Vtest (contact-shell)	1800 V (AC), 2550 V (DC)
Contact retention	30 N
Contact Type	Crimp
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
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	24 - 20
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	17.21 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]	5.30 - 6.20 mm

Recommended By Lemo

Accessories

Replacement contact	EGG.1B.660.ZZM
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Tools

Positionner	DCE.91.091.BVM
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1B.ZZZ.PA090

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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	
240500	PVC	Grey	
4220	PVC	Black	

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