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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.30 - 5.20 mm
Size	2B
Suggested matching part	EGG.2B.310.SLL
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-2b-310-slad52z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	2B.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Vtest (contact-contact)	2 kV (DC)
Vtest (contact-shell)	1.9 kV (DC)
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)
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	Stainless steel 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	29.12 g

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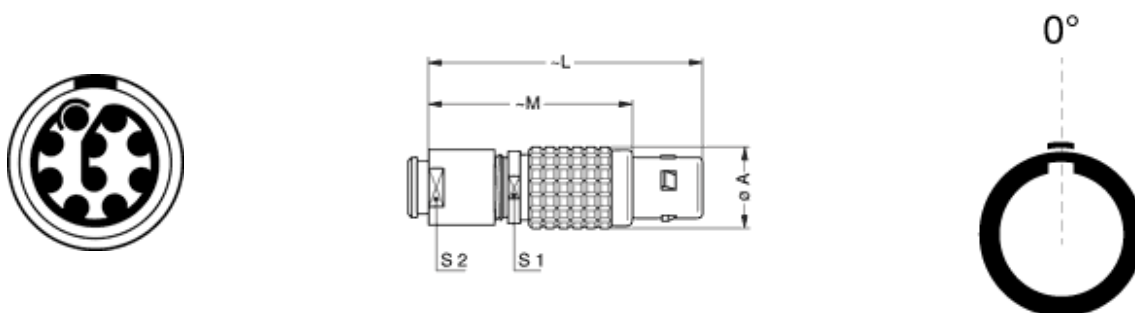
Environment

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]

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.30 - 5.20 mm

Drawings



Dimensions

	A	L	M	S1	S2
mm.	15	49	37	13	12
in.	0.59	1.93	1.46	0.51	0.47

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Recommended By Lemo

Accessories	
Compatible cap	BFG.2B.100.PCSG
Tools	
Spanner	DCP.91.023.TN
Spanner wrench	DCD.2B.ZZZ.PA120

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
110260	PTFE	White	