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## Summary

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Nb of contacts Fiber optic	2
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 16.60 mm
Size	3B
Suggested matching part	<a href="#">FGG.3B.97J.PLYM4ZB</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egg-3b-97j-pllhb.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-3b-97j-pllhb.html)

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# Technical details

## Electrical Configuration

Nb of contacts Fiber optic	2
Contact Termination Fiber optic	Solder
Insert configuration value	3B.97J - 2 FO Type F1, 10 LV
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Fiber Optic Contact	Type F1 (must be ordered separately)
Vtest (contact-contact)	950 V (AC), 1340 V (DC)
Vtest (contact-shell)	750 V (AC), 1060 V (DC)
Contact Type	Solder
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone) 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)
Weight	13.27 g

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/egg-3b-97j-pllb.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-3b-97j-pllb.html)

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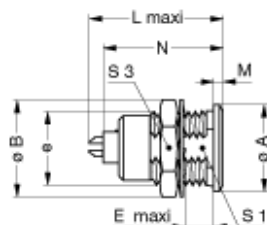
## Environment

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	-40°C / +80°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]

## Cable fixation

Jacket cable outside diameter [mm]	2.00 - 16.60 mm
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## Drawings



## Dimensions

	A	B	e	E	L	M	N	S3	S1
mm.	22	25	M18x1.0	11.5	30.7	2	28.1	22	16.5
in.	0.87	0.98		0.45	1.21	0.08	1.11	0.87	0.65

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