

*Image for illustrative purpose only*

## Summary

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Nb of contacts Fiber optic	2
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	9.60 - 10.00 mm
Size	3K
Suggested matching part	<a href="#">EGG.3K.97R.CLL</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-97r-clac10z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-97r-clac10z.html)

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# Technical details

## Electrical Configuration

Nb of contacts Fiber optic	2
Contact Termination Fiber optic	Solder
Insert configuration value	3K.97R - 2 FO Type F1, 16 LV
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5.5 A
Fiber Optic Contact	Type F1 (must be ordered separately)
Vtest (contact-contact)	800 V (AC), 1130 V (DC)
Vtest (contact-shell)	700 V (AC), 990 V (DC)
Contact Dia.	0.7
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable adapter and nut for fitting a bend relief
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass 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	64.23 g

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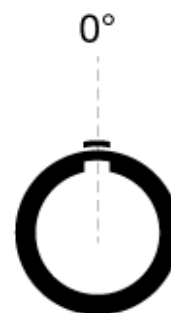
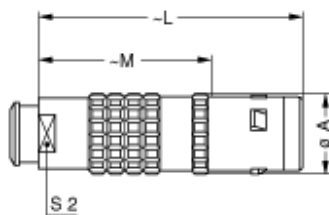
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
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)	95 dB (10 MHz)
Shielding (min)	80 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]	9.60 - 10.00 mm

## Drawings



## Dimensions

	M	L	A	S2
mm.	40	60	19	15
in.	1.57	2.36	0.75	0.59

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# Recommended By Lemo

## Accessories

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Compatible cap	<a href="#">BFG.3K.100.NAS</a>
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