



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

Number of contacts Low Voltage	10
Number of contacts High Voltage	2
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.10 - 8.50 mm
Size	3K
Suggested matching part	<a href="#">EGG.3K.740.CJL</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
Number of contacts High Voltage	2
Contact Termination High voltage	Solder
Insert configuration value	3K.740 - 2 High V. 10 Low V.
Insulator	J: PEEK/PEEK
Rated current	2 A
Rear of connector must be protected	ATUM
Test voltage HV Ue (kV rms)	17.1
Working voltage LV Ue (kV rms)	0.2
Air clearance	12.7 mm
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	64.04 g

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

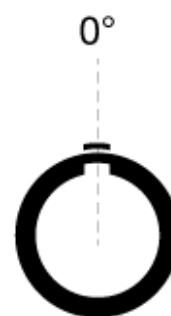
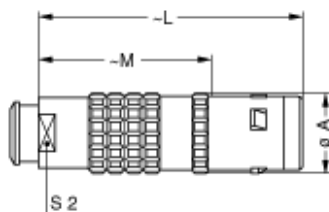
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°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)	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]	8.10 - 8.50 mm

## Drawings



## Dimensions

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

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-740-cjac85z.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Recommended By Lemo

## Accessories

---

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