



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	1
Nb of contacts Thermocouple	2
Wire Size/AWG	24 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.10 - 7.50 mm
Size	2K
Suggested matching part	<a href="#">EGG.2K.303.SLK</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-slk75.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-slk75.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	1
Contact Termination Low voltage	Solder
Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	2K.303/ThC - Thermocouple 1 Pair, 1 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	17 A
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	1.6
Wire Size/AWG	24 - 16
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
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
Weight	38.24 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	-55°C / +200°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]

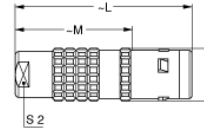
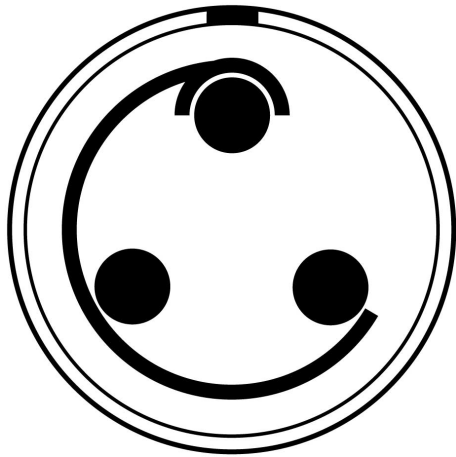
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.10 - 7.50 mm

# Drawings

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-slk75.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-303-slk75.html)

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Contact 1: Chromel (+)  
Contact 2: Alumel (+-)

Dimensions

	A	L	M	S2
mm.	16	52	36	12
in.	0.63	2.05	1.42	0.47

Recommended By Lemo

Accessories

Compatible cap	<a href="#">BFG.2K.100.NAS</a>
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