



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.60 - 6.00 mm
Size	1K
Suggested matching part	<a href="#">EGL.1K.306.CLA</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgl-1k-306-cllc60.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgl-1k-306-cllc60.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1K.306 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1050 V (AC), 1490 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
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	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	22.72 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]
Salt Spray Corrosion	>1000 hr

## Cable fixation



Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.60 - 6.00 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFL.1K.100.NAS</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
12080	PVC	Grey	
160240	PVC	Black	
260250	PVC	Grey	

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