

*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.10 - 5.50 mm
Size	2K
Suggested matching part	<a href="#">EGG.2K.312.CLL</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-2k-312-clac55z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-2k-312-clac55z.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	2K.312 - 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1350 V (AC), 1910 V (DC)
Contact Type	Solder
Max. 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	12
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet 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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Nut for fitting a bend relief

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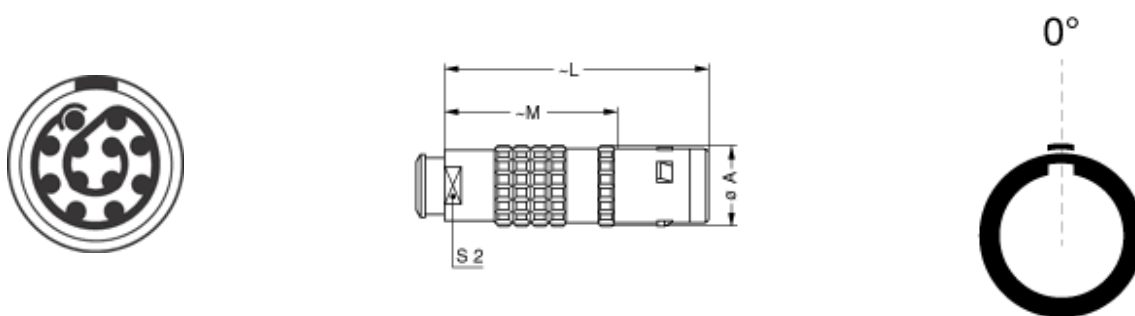
## Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.10 - 5.50 mm

## Drawings



## Dimensions

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


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# Recommended By Lemo

<b>Accessories</b>	
Compatible cap	<a href="#">BFG.2K.100.NAS</a>
<b>Tools</b>	
Spanner wrench	<a href="#">DCD.2E.ZZZ.PA120</a>

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.12.T28.054PGZE		grey	
CMN.12.T28.054PNZE			
112260	PTFE	White	