



## Summary

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Coax	1
Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	2K
Matching parts	<a href="#">EEG.2K.804.CLL1</a>
Series	K - Outdoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fpg-2k-804-clac801.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fpg-2k-804-clac801.html)

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## Electrical Configuration

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Contact Termination Low voltage	Solder
Coax	1
Contact Termination Coax	Solder
R (max)	3.8 mOhm
Insert configuration value	2K.804 - 1 Coax (50 Ohm), 4 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 Amps
Test voltage (kV DC)	1.05
Contact Type	Coaxial 50 Ohm (Solder) Type A1
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.14 mm <sup>2</sup> (AWG 26)
Cable type	Cable type:  A RG 174 A/U, RG 188 A/U, RG 316 /U S
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

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Shell style / Model id	FP - Elbow (90°) plug with cable collet
Plug	Elbow
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)
Weight	41.36 g

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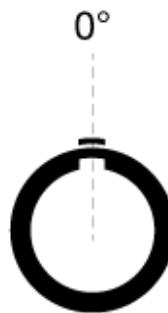
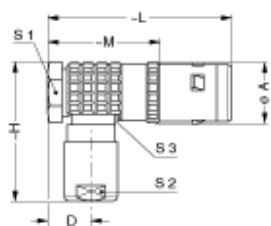
## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
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]	7.60 - 8.00 mm

## Drawings



## Dimensions

	<b>A</b>	<b>D</b>	<b>H</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>	<b>S3</b>
mm.	16	10.2	40	51	35	14	12	13
in.	0.63	0.4	1.57	2.01	1.38	0.55	0.47	0.51

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