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## Summary

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Nb of contacts Coax	1
Number of contacts Low Voltage	22
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	3K
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fag-3k-822-cla1.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fag-3k-822-cla1.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
Nb of contacts Coax	1
Contact Termination Coax	Crimp
R (max)	5.8 mOhm
Insert configuration value	3K.822 - 1 Coax (50 Ohm), 22 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
OHM	50
Test voltage (kV DC)	1
Contact Type	Coaxial 50 Ohm (Crimp) Type C
Cable type	RG 174 A/U, RG 188 A/U, RG 316 /U
Contact Dia.	0.7 mm (0.03in)
Number of contacts Low Voltage	22
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FA - Fixed plug, non-latching, nut fixing
Plug	Fixed
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	Snap-on
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	74.03 g

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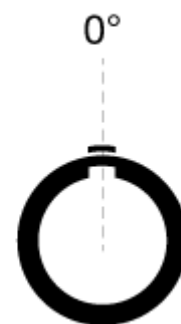
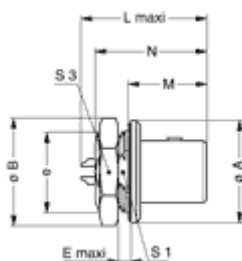
## Environment

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

## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>S1</b>	<b>S3</b>
mm.	31	34.5	M24x1.0	4	37.6	22.5	33.8	22.5	30
in.	1.22	1.36		0.16	1.48	0.89	1.33	0.89	1.18

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# Recommended By Lemo

## Tools

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Die Tool	<a href="#">DPE.99.103.8K</a>
Extraction tool	<a href="#">DCC.91.384.5LA</a>

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