

Standard

*Image for illustrative purpose only*

Summary

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Number of contacts Low Voltage	22
Nb of contacts Coax	1
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

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Technical details

Electrical Configuration

Number of contacts Low Voltage	22
Contact Termination Low voltage	Solder
Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Crimp
Contact Termination Coax – Screen fixing	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
Impedance	50 Ohms
Test voltage (kV DC)	1
Cable type	RG 174 A/U, RG 188 A/U, RG 316 /U
Contact Dia.	0.7 mm (0.03in)
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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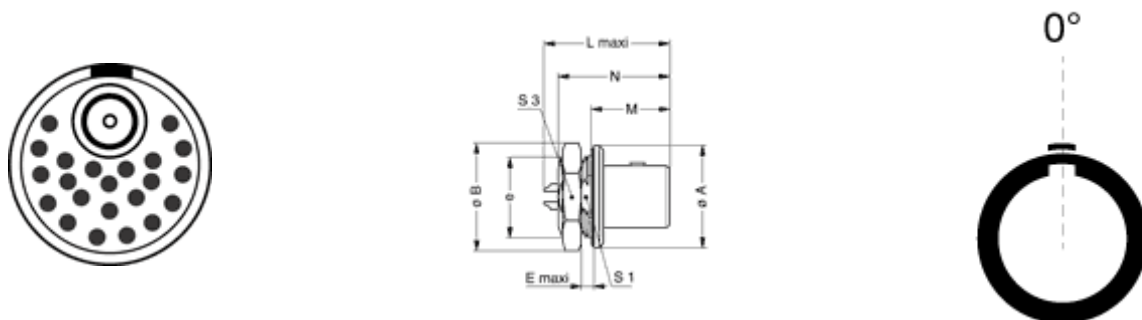
Environment

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 (max. temperature valid for short periods of use.)
Climatic 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

	A	B	e	E	L	M	N	S1	S3
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	
Die Tool	DPE.99.103.8K
Extraction tool	DCC.91.CP1.LAG