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## Summary

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Number of contacts Low Voltage	12
Nb of contacts Coax	1
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Size	3K
Suggested matching part	<a href="#">FGG.3K.812.CLAC11Z</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/eng-3k-812-cll1.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eng-3k-812-cll1.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Solder
Contact Termination Coax - Screen fixing	Collet
R (max)	3.8 mOhm
Insert configuration value	3K.812 - 1 Coax (50 Ohm), 12 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
OHM	50
Test voltage (kV DC)	1.1
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.14 mm <sup>2</sup> (AWG 26)
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	EN - Fixed receptacle, nut fixing and grounding tab
Socket / Receptacle	Fixed Panel Front Mounted
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	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	69.25 g

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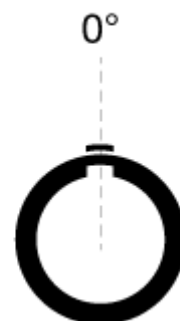
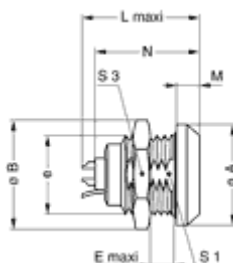
## Environment

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.)
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

Jacket cable outside diameter [mm]	2.00 - 22.60 mm
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## 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	34.7	M24x1.0	11.3	36.2	6	33.6	22.5	30
in.	1.22	1.37		0.44	1.43	0.24	1.32	0.89	1.18

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# Recommended By Lemo

<b>Accessories</b>	
Compatible cap	<a href="#">BRE.3K.200.NAS</a>
<b>Tools</b>	
Die Tool	<a href="#">DCP.99.050.TC</a>
Spanner 2	<a href="#">DCP.99.050.TC</a>