

Standard

*Image for illustrative purpose only*

Summary

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Number of contacts Low Voltage	30
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Fixed
Locking system	Snap-on
Size	3K
Suggested matching part	PHG.3K.330.CLLC10
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fag-3k-330-cla.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	30
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	3K.330 - 30 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3.5 A
Vtest (contact-contact)	1.1 kV (DC)
Vtest (contact-shell)	1 kV (DC)
Max. Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
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	72.54 g

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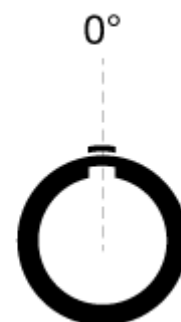
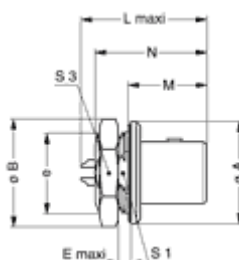
Environment

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








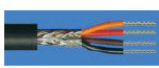

Dimensions

	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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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.30.T22.087PGCE	PVC	GREY	
CMN.30.T22.087PGZE		grey	
CMN.30.T22.087PNCE	PVC	Black	
CMN.30.T22.087PNZE			
330240	PVC	Black	
330260	PVC	Black	
430250	PVC	Grey	

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