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Summary

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Number of contacts Low Voltage	14
Wire Size/AWG	32 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.10 - 5.50 mm
Size	1K
Suggested matching part	EGG.1K.314.CLL
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-1k-314-cycc55.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	14
Contact Termination Low voltage	Crimp
R (max)	8.7 mOhm
Insert configuration value	1K.314 - 14 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	2 A
Vtest (contact-contact)	1.9 kV (DC)
Vtest (contact-shell)	2.1 kV (DC)
Contact retention	12 N
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	32 - 28
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
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	23.55 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

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.10 - 5.50 mm

Recommended By Lemo

Accessories

Replacement contact	FGG.1B.554.ZZC
Compatible cap	BFG.1K.100.NAS

Tools

Positionner	DCE.91.051.BVC
Extraction tool	DCC.05.02B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.1E.ZZZ.PA090

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Documents

Eplan

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