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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	3K
Suggested matching part	EGL.3K.312.CYC
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgl-3k-312-cymk11.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max)	4.8 mOhm
Insert configuration value	3K.312 - 12 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	9 A
Vtest (contact-contact)	1650 V (AC), 2350 V (DC)
Vtest (contact-shell)	1850 V (AC), 2600 V (DC)
Contact retention	30 N
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Bucket Dia.	1.1 mm (0.043in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	24 - 20
Gender	Reverse Gender

Form & Material

Shell style / Model id	FG - Straight plug with oversize 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	2 keys (gamma=75, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	110.57 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]	10.60 - 12.00 mm

Recommended By Lemo

Accessories

Replacement contact	EGG.3B.660.ZZM
Compatible cap	BFL.3K.100.NAS

Tools

Positionner	DCE.91.093.BVM
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V
Spanner wrench	DCD.3E.ZZZ.PA150

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Cables

Cable PartNumber	Material	Colour	Cable image
412750	PVC	Grey	

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