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Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	16 - 8
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	12.60 - 13.50 mm
Size	5K
Suggested matching part	EGG.5K.302.CLL
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-5k-302-clac13.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	1.2 mOhm
Insert configuration value	5K.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	50 A
Vtest (contact-contact)	3600 V (AC), 5090 V (DC)
Vtest (contact-shell)	2950 V (AC), 4170 V (DC)
Contact Type	Solder
Max. Solid Conductor	10 mm ² (AWG 8)
Max. Stranded Conductor	10 mm ² (AWG 8)
Bucket Dia.	5.2 mm (0.205in)
Contact Dia.	6 mm (0.236in)
Number of contacts Low Voltage	2
Wire Size/AWG	16 - 8
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	429.64 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
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]	12.60 - 13.50 mm

Recommended By Lemo

Accessories

Compatible cap	BFG.5K.100.NAS
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