



Summary

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Low Voltage	7
Wire Size/AWG	18 - 14
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	3K
Matching parts	EGG.3K.307.CYM
Series	K - Outdoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-307-cyck11.html

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Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.5 mOhm
Insert configuration value	3K.307 - 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	15 Amps
Vtest (contact-contact)	2000 V (AC), 2850 V (DC)
Vtest (contact-shell)	2050 V (AC), 2900 V (DC)
Contact retention	50 N
Contact Type	Crimp
Max. Conductor	1.5 mm ² (AWG 14)
Min. Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.9 mm (0.075in)
Contact Dia.	1.6 mm (0.063in)
Low Voltage	7
Wire Size/AWG	18 - 14
Gender	Standard

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	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	107.28 g

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Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental protection (IP rating)	IP68
Minimal temperature	-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]	10.60 - 12.00 mm

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