

Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	24 - 16
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	10.60 - 12.00 mm
Size	4K
Suggested matching part	EGG.4K.310.TLLE
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-4k-310-tlac11e.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	4K.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	17 A
Vtest (contact-contact)	1850 V (AC), 2600 V (DC)
Vtest (contact-shell)	1300 V (AC), 1840 V (DC)
Contact Type	Solder
Max. Solid Conductor	1 mm ² (AWG 16)
Max. Stranded Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Number of contacts Low Voltage	10
Wire Size/AWG	24 - 16
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable collet, gasket and O-ring in EPDM
Plug	Straight
Housing material	Stainless steel 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)
Colour	Grey
Variant	Gasket and O-ring in EPDM
Weight	129.32 g

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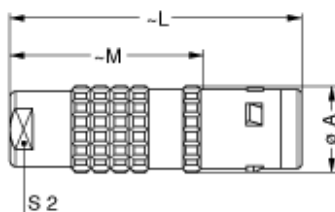
Environment

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]

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

Drawings



Dimensions

	A	L	M	S 2
mm.	25	71	50.5	19
in.	0.98	2.8	1.99	0.75

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