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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.60 - 9.00 mm
Size	3K
Suggested matching part	EGG.3K.310.CYM
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-cycc90z.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	3K.310 - 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	12 A
Vtest (contact-contact)	1500 V (AC), 2150 V (DC)
Vtest (contact-shell)	1800 V (AC), 2550 V (DC)
Contact retention	40 N
Contact Type	Crimp
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Number of contacts Low Voltage	10
Wire Size/AWG	20 - 18
Gender	Standard

Form & Material

Shell style / Model id	FG - Straight plug, cable adapter and nut for fitting a bend relief
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)
Colour	Grey
Variant	Nut for fitting a bend relief

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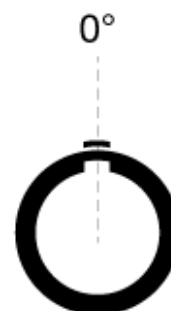
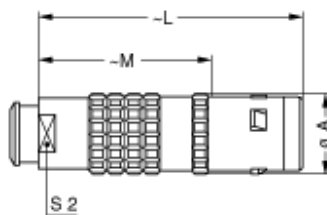
Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.60 - 9.00 mm

Drawings



Dimensions

	M	L	A	S2
mm.	40	60	19	15
in.	1.57	2.36	0.75	0.59

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