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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	32 - 28
Gender	Standard
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.10 - 8.50 mm
Size	1K
Suggested matching part	EGG.1K.310.CLL
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fhg-1k-310-cyck85z.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	8.7 mOhm
Insert configuration value	1K.310 - 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated current	2.5 A
Vtest (contact-contact)	1200 V (AC), 1700 V (DC)
Vtest (contact-shell)	1800 V (AC), 2550 V (DC)
Contact retention	12 N
Contact Type	Crimp
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Number of contacts Low Voltage	10
Wire Size/AWG	32 - 28
Gender	Standard

Form & Material

Shell style / Model id	FH - Elbow plug, cable collet and nut for fitting a bend relief
Plug	Elbow
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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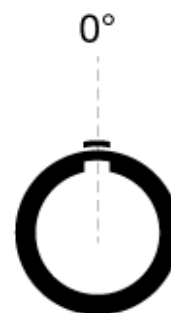
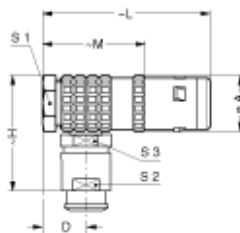
Environment

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]	8.10 - 8.50 mm

Drawings



Dimensions

	S3	A	D	L	M	S1	S2
mm.	10	14	8.8	43	29	12	9
in.	0.39	0.55	0.35	1.69	1.14	0.47	0.35

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