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Summary

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Nb of contacts Thermocouple	2
Wire Size/AWG	18 - 10
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.60 - 6.00 mm
Size	3K
Suggested matching part	EGG.3K.302.CYM
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-302-cykc60.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Crimp
Insert configuration value	3K.302 - 1 Thermocouple Pair
Insulator	Y: PEEK for crimp contacts
Rated current	35 A
Contact Dia.	3
Wire Size/AWG	18 - 10
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

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 (max. temperature valid for short periods of use.)
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

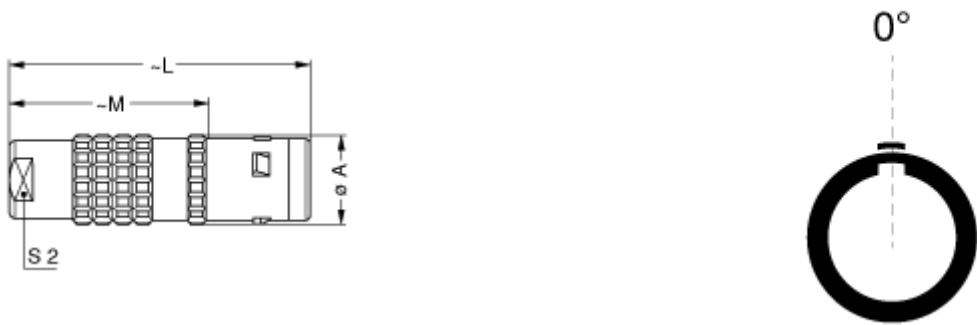
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.60 - 6.00 mm

Drawings



Dimensions

	A	L	S2	M
mm.	19	61	15	41
in.	0.75	2.4	0.59	1.61

Recommended By Lemo

Accessories

Replacement contact	FGG.3B.580.ZZK
Compatible cap	BFG.3K.100.NAS