

Summary

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Thermocouple	10
Wire Size/AWG	18 - 10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	17.60 - 18.50 mm
Size	5K
Matching parts	FGC.5K.310.CYFC18
Series	K - Outdoor keyed

Technical details

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phc-5k-310-cyfc18.html

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Electrical Configuration

Thermocouple	10
Contact Termination Thermocouple	Crimp
Insert configuration value	5K.310 - 5 Thermocouple Pairs
Insulator	Y: PEEK for crimp contacts
Rated current	20 Amps
Contact Type	Thermocouple
Contact Dia.	3
Wire Size/AWG	18 - 10
Gender	Standard

Form & Material

Shell style / Model id	PH - Free receptacle, cable collet
Socket / Receptacle	Free
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	2 keys (alpha=60, plug: male contacts, receptacle: female contacts)
Weight	431.18 g

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

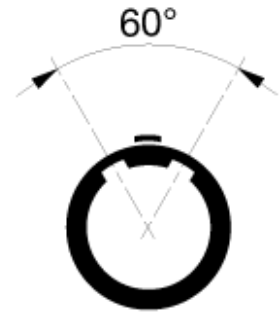
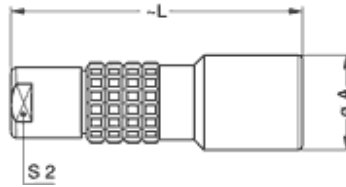
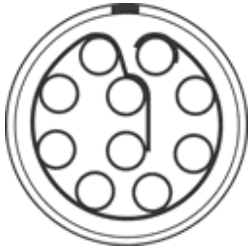
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	17.60 - 18.50 mm

Drawings



Dimensions

	L	A	S2
mm.	95	42	32
in.	3.74	1.65	1.26

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