

Special

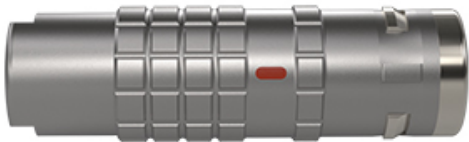


Image for illustrative purpose only

## Summary

[Request a quote](#)

[Catalog](#)

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	<a href="#">EGG.3K.302.CYM</a>
Series	K - Outdoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-302-cykc60.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-302-cykc60.html)

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# 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.)
Climatic 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

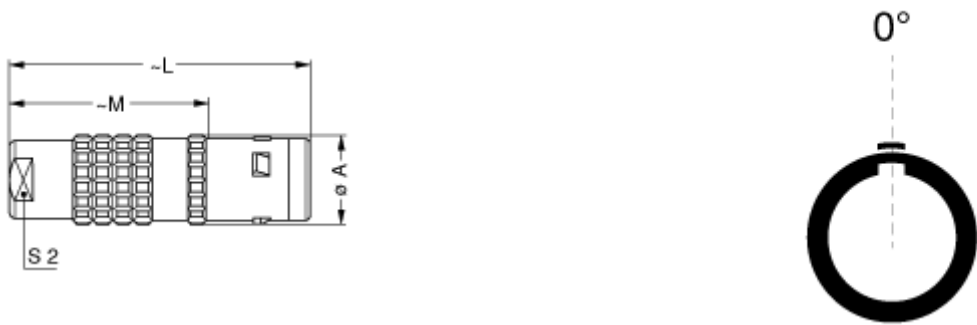
[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-302-cykc60.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-302-cykc60.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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	<a href="#">FGG.3B.580.ZZK</a>
Compatible cap	<a href="#">BFG.3K.100.NAS</a>