



*Image for illustrative purpose only*

## Summary

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Nb of contacts Thermocouple	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.30 - 3.20 mm
Size	0B
Suggested matching part	<a href="#">EGG.0B.302.CLK</a>
Series	B - Indoor keyed

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-302-cykd32.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-302-cykd32.html)

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# Technical details

## Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Crimp
Insert configuration value	0B.302 - 1 Thermocouple Pair
Insulator	Y: PEEK for crimp contacts
Rated current	10 A
Thermocouple (P+/N-)	Pin 1 / Pin 2
Vtest (contact-shell)	900 V (AC), 1270 V (DC)
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.9
Wire Size/AWG	28 - 20
Gender	Standard
Important recommendation	Contact LEMO for performance details.

## Form & Material

Shell style / Model id	FG - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	9.66 g

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## Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°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)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

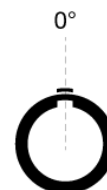
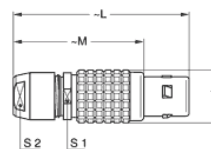
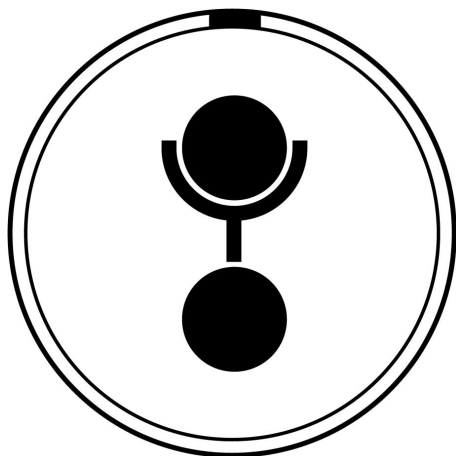
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.30 - 3.20 mm

## Drawings

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-0b-302-cykd32.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-0b-302-cykd32.html)

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Contact 1: Chromel (+)  
Contact 2: Alumel (-)

## Dimensions

	L	A	S2	M	S1
mm.	36	9.5	7	26	8
in.	1.42	0.37	0.28	1.02	0.31

## Recommended By Lemo

### Accessories

Replacement contact	<a href="#">FGG.0B.560.ZZK</a>
Compatible cap	<a href="#">BFG.0B.100.PCZG</a>

### Tools

Spanner	<a href="#">DCP.91.001.TN</a>
Spanner wrench	<a href="#">DCD.0B.ZZZ.PA070</a>

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