



## Summary

[Request a quote](#)

[Catalog](#)

Thermocouple	4
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Quick-release (Snap-on)
Size	1B
Matching parts	<a href="#">EGG.1B.902.CLK</a>
Series	B - Indoor keyed

## Technical details

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.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.

## Electrical Configuration

Thermocouple	4
Contact Termination Thermocouple	Solder
Insert configuration value	1B.902/ThC - 2 Thermocouple Pairs
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 Amps
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.9
Wire Size/AWG	30 - 22
Gender	Standard

## 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	Quick-release (Snap-on)
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Weight	15.44 g

## 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	-40°C / +80°C
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

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.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

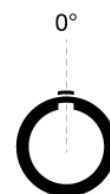
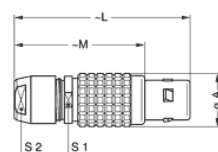
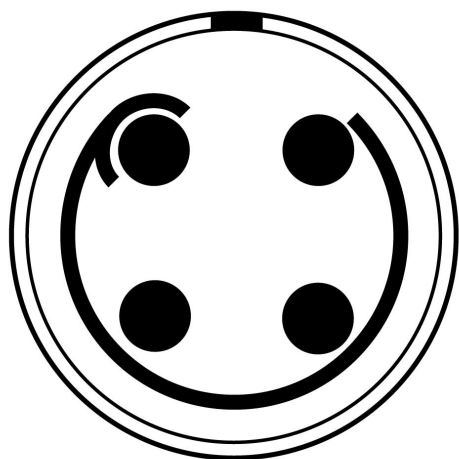
Cable termination protection

Standard back nut (no additional protection)

Fixation type

Cable collet

## Drawings



Contact 1, 3: Chromel (+)  
Contact 2, 4: Alumel (-)

## Dimensions

	<b>A</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S2</b>
mm.	12	43	32	10	9
in.	0.47	1.69	1.26	0.39	0.35

[https://www.lemo.com/int\\_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.html](https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/fgg-1b-902-clkf62.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.