



*Image for illustrative purpose only*

## Summary

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Nb of contacts Thermocouple	4
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	1B
Suggested matching part	<a href="#">FGG.1B.902.CLTD42</a>
Series	B - Indoor keyed

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

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# Technical details

## Electrical Configuration

Nb of contacts 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 A
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	0.9
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
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	8.85 g

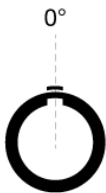
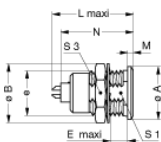
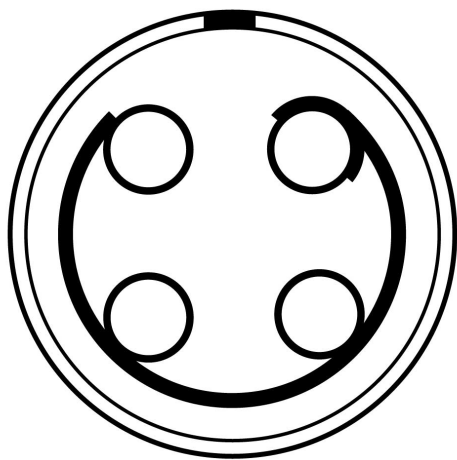
## Environment

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

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# Drawings



Contact 1, 3: Copper (+)  
Contact 2, 4: Konstantan (-)

## Dimensions

	e	E	L	M	N	S1	S3	A	B
mm.	M12x1.0	7.5	23	1.5	21.1	10.5	14	14	16
in.		0.3	0.91	0.06	0.83	0.41	0.55	0.55	0.63

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BRE.1S.200.NAS</a>
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## Tools

Spanner	<a href="#">DCA.91.201.4TN</a>
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