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Summary

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Nb of contacts Thermocouple	2
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	0B
Suggested matching part	FGG.0B.302.CLKF42
Series	B - Indoor keyed

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/egg-0b-302-clk.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	0B.302 - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
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	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	4 g

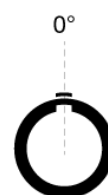
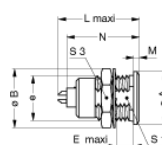
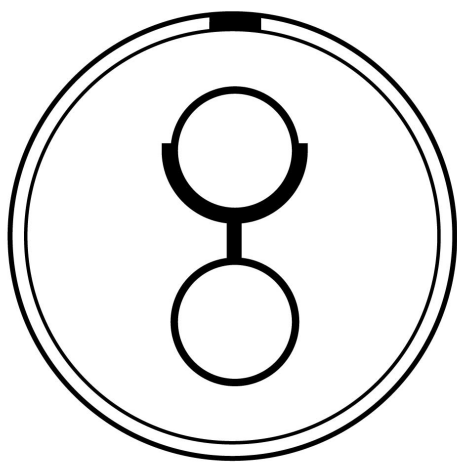
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Environment

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

Drawings



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

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Dimensions

	B	e	L	M	N	S1	S3	E	A
mm.	12.5	M9x0.6	20.7	1.2	19.1	8.2	11	7	10
in.	0.49		0.81	0.05	0.75	0.32	0.43	0.28	0.39

Recommended By Lemo

Accessories

Replacement contact	EGG.0B.660.ZZM
Compatible cap	BRE.0S.200.NAS

Tools

Spanner	DCA.91.161.1TN
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