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Summary

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Nb of contacts Thermocouple	2
Wire Size/AWG	24 - 16
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.30 - 7.20 mm
Size	2S
Suggested matching part	ERA.2S.302.CLJ
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-2s-302-cljl72.html

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Technical details

Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	2S.302/ThC - 1 Thermocouple Pair
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 A
ThC. Materials (P+/N-)	Iron (magnetic) / Constantan
Contact Dia.	1.6
Wire Size/AWG	24 - 16

Form & Material

Shell style / Model id	FFA - 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	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	30.32 g

Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-55°C / +250°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

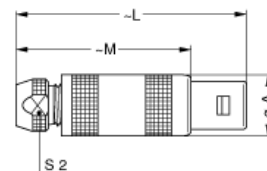
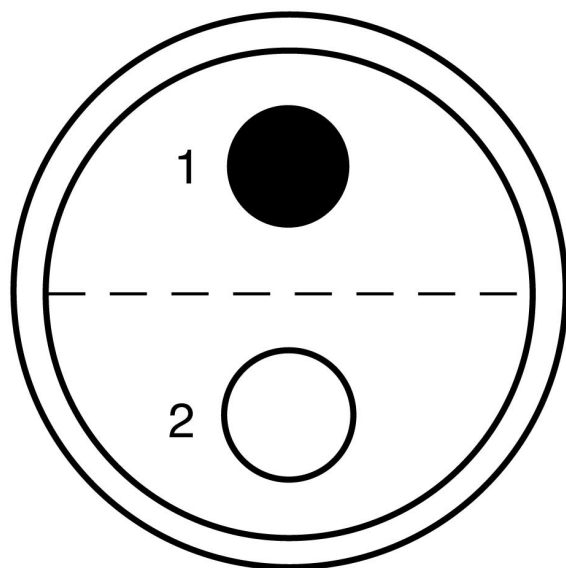
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.30 - 7.20 mm

Drawings



Contact 1: Konstantan (-)
Contact 2: Iron (+)

Dimensions

	A	L	M	S 2
mm.	14.8	52	40	11
in.	0.58	2.05	1.57	0.43

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Recommended By Lemo

Accessories

Compatible cap

[BFG.2B.100.PCSG](#)

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