



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Thermocouple	2
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.30 - 3.20 mm
Size	0S
Suggested matching part	ERA.0S.302.CLT
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-cltc27f.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.

Technical details

Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	0S.302/ThC - 1 Thermocouple Pair
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

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	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey

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 (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

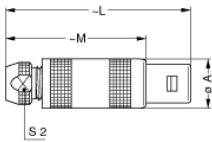
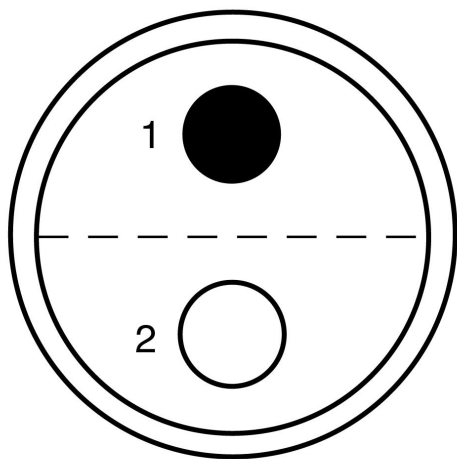
https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-cltc27f.html

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
Jacket cable outside diameter [mm]	2.30 - 3.20 mm

Drawings



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

Dimensions

	L	A	S 2	M
mm.	34.5	9	6.5	24.5
in.	1.36	0.35	0.26	0.96

Recommended By Lemo

Accessories

Compatible cap	BFG.0B.100.PCZG
----------------	---------------------------------

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-cltc27f.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.