



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Nb of contacts Thermocouple	2
Number of contacts Low Voltage	1
Wire Size/AWG	32 - 24
Plug	Plug - Elbow
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.30 - 4.20 mm
Size	0S
Suggested matching part	ERA.0S.303.CLT
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flm-0s-303-cltd42.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

Contact Termination Low voltage	Solder
Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	0S.303/ThC - Thermocouple 1 Pair, 1 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Thermocouple (P+/N-)	Pin 1 / Pin 2
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	0.7
Number of contacts Low Voltage	1
Wire Size/AWG	32 - 24

Form & Material

Shell style / Model id	FLM - Elbow (90°) plug with cable collet
Plug	Elbow
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

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flm-0s-303-cltd42.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.

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

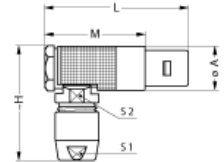
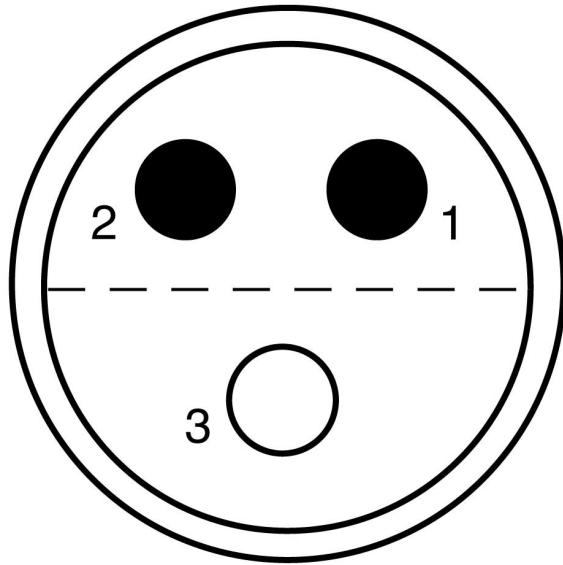
Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.30 - 4.20 mm

Drawings

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flm-0s-303-cltd42.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.



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

Dimensions

	A	L	M	S1	S2	H
mm.	9.5	30	20	7	8	23.4
in.	0.37	1.18	0.79	0.28	0.31	0.92

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/flm-0s-303-cltd42.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.