



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	12
Number of contacts High Voltage	2
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.00 - 23.60 mm
Size	4S
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-4s-742-cja.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-4s-742-cja.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
Contact Termination High voltage	Solder
Insert configuration value	4S.742 - 2 High V. 12 Low V.
Insulator	J: PEEK/PEEK
Rated current	LV 7, HV 15 A
Test voltage LV Ue (kV rms)	3
Working voltage HV contact - Us (kV rms)	2.1
Contact Type	Solder
Number of contacts Low Voltage	12
Number of contacts High Voltage	2
Note performance	Please use heatshrink to guarantee High Voltage performance.

## Form & Material

Shell style / Model id	ERA - 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	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Weight	57.46 g

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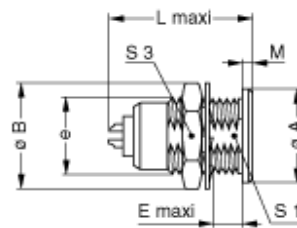
## Environment

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

Jacket cable outside diameter [mm]	3.00 - 23.60 mm
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## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S3</b>
mm.	28	34	M25x1.0	12	34	2.5	23.5	30
in.	1.1	1.34		0.47	1.34	0.1	0.93	1.18

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