

Special*Image for illustrative purpose only*

Summary

[Request a quote](#)[SE series](#)

Number of contacts Low Voltage	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	ERN.2S.302.BLL
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffp-2s-302-blac72z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max)	3.5 mOhm
Insert configuration value	2S.302 - 2 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	20 A
Test voltage (kV DC)	2.4
Max. Solid Conductor	1 mm ² (AWG 16)
Max. Stranded Conductor	1 mm ² (AWG 18)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.6 mm (0.063in)
Wire Size/AWG	24 - 16

Form & Material

Shell style / Model id	FFP - Straight plug, cable collet, PEEK/POM outer shell, inner anti-rotating device, nut for bend relief
Plug	Straight
Housing material	POM (black Polyoxymethylene) 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
Variant	Nut for fitting a bend relief
Weight	21.57 g

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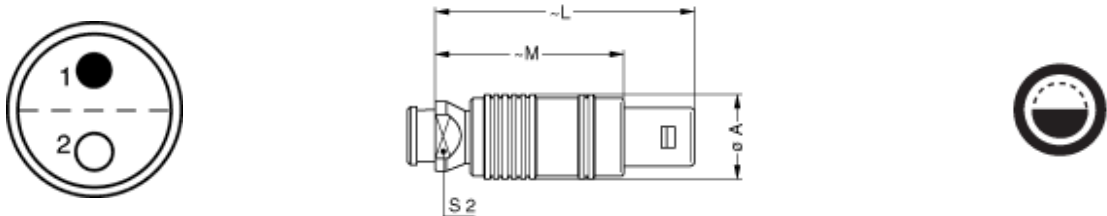
Environment

Technical domain	Audio Video, Energy and Industrial, Semiconductor, Test and Measurement
Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
Temperature range	-50°C / +115°C
Climatic Category	55/175/21
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	>144 hr

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.30 - 7.20 mm

Drawings



Dimensions

	L	M	S2	A
mm.	51	39	12	15
in.	2.01	1.54	0.47	0.59

Recommended By Lemo

Bend Reliefs		
GMA.2B.070.DG	GMA.2B.070.DA	GMA.2B.070.DB
GMA.2B.070.DJ	GMA.2B.070.DM	GMA.2B.070.DN
GMA.2B.070.DR	GMA.2B.070.DS	GMA.2B.070.DV

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T18.064UNCU			