



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	32 - 24
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0S
Suggested matching part	<a href="#">FFP.0S.303.BLAC32Z</a>
Series	S - Indoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	0S.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage (kV DC)	1.5
Max. Solid Conductor	0.25 mm <sup>2</sup> (AWG 24)
Max. Stranded Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	32 - 24

## Form & Material

Shell style / Model id	ERN - Fixed receptacle, nut fixing, with grounding tab
Socket / Receptacle	Fixed Panel Front Mounted
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 female pin 1
Weight	2.34 g

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bl.html)

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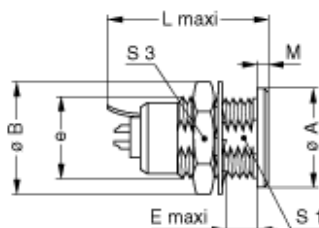
## Environment

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
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]

## Cable fixation

Jacket cable outside diameter [mm]	1.00 - 8.30 mm
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## Drawings







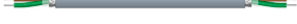






## Dimensions

	<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.	10	12.5	M9x0.6	7	19.3	1.2	8.2	11
in.	0.39	0.49		0.28	0.76	0.05	0.32	0.43

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.T28.031PGZE		grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
130250	PVC	Grey	
30110	PVC	Grey	
30141	PVC	Grey	
30260	PVC	Black	
3041	PVC	Grey	
3050	PVC	Black	
3081	PVC	Black	
3280	PVC	Black	
60080	PVC	Grey	

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html)

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