



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
Matching parts	FFP.0S.303.BLAC32Z
Series	S - Indoor Stepped Insert

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-303-bll.html

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Electrical Configuration

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 Amps
Vtest	1060 V (AC), 1500 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.25 mm ² (AWG 24)
Max. Stranded Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	3
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

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]

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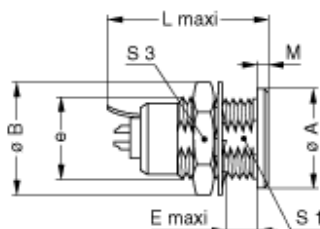
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Cable fixation

Jacket cable outside diameter [mm]

1.00 - 8.30 mm

Drawings



Dimensions

	A	B	e	E	L	M	S1	S3
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

Recommended By Lemo

Accessories

Tools





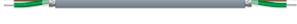






Spanner wrench

[Socket for torque wrench DCM.0S.M09.4](#)

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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	

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