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Summary

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Number of contacts Low Voltage	1
Wire Size/AWG	26 - 18
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 8.30 mm
Size	0S
Series	S - Indoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ern-0s-116-gtl.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
Insert configuration value	0S.116 - 1 Low Voltage
Insulator	T: PTFE
Rated current	12 A
Vtest (contact-contact)	1500 V (AC), 2100 V (DC)
Vtest (contact-shell)	1500 V (AC), 2100 V (DC)
Contact Type	Solder
Contact Dia.	1.6
Number of contacts Low Voltage	1
Wire Size/AWG	26 - 18

Form & Material

Shell style / Model id	ERN - Fixed receptacle, nut fixing, with grounding tab
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PEEK (Polyetheretherketone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Circular, female
Weight	2.49 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 / +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]

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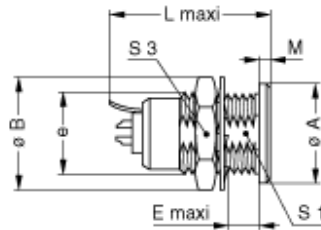
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Cable fixation

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

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