



Summary

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Number of contacts Low Voltage	7
Number of contacts High Voltage	1
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	3E
Suggested matching part	FFA.3E.707.CLAC11
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/eep-3e-707-cln.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	PCB - Straight
Contact Termination High voltage	Solder
Insert configuration value	3E.707 - 1 High V. 7 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	LV 8, HV 3 A
Test voltage LV Ue (kV rms)	1
Working voltage HV contact - Us (kV rms)	2.1
Number of contacts Low Voltage	7
Number of contacts High Voltage	1
Note performance	Please use heatshrink to guarantee High Voltage performance.

Form & Material

Shell style / Model id	EEP - Fixed receptacle, nut fixing, with straight contact for printed circuit (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	Hermaphroditic keying (half moon insert) with female pin 1
Weight	59.21 g

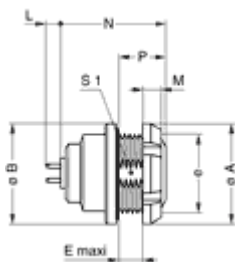
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Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

Drawings



Dimensions

	A	B	e	E_{max}	M	N	P	S1
mm.	30	31	M24x1	7.5	4.5	29.5	12	22.5
in.	1.18	1.22		0.3	0.18	1.16	0.47	0.89

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