

Standard



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Summary

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Number of contacts Low Voltage	7
Number of contacts High Voltage	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.10 - 7.50 mm
Size	3E
Suggested matching part	ERA.3E.707.CLL
Series	E - Outdoor Stepped Insert

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-3e-707-clac75z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
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
Important recommendation	Please use heatshrink to guarantee High Voltage performance.

Form & Material

Shell style / Model id	FFA - Straight plug, cable collet and nut for fitting a bend relief
Plug	Straight
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 male pin 1
Colour	Grey
Variant	Nut for fitting a bend relief
Weight	70.41 g

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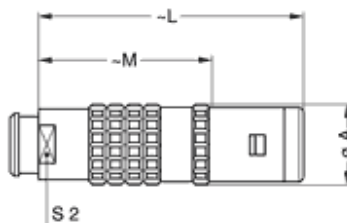
Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic 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

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.10 - 7.50 mm

Drawings



Dimensions

	A	L	M	S2
mm.	19	60	40	15
in.	0.75	2.36	1.57	0.59

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Recommended By Lemo

Accessories

Compatible cap	BFA.3E.100.NAS
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