

Special

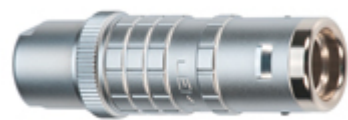


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## Summary

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[SE series](#)

[Customer Drawing](#)

Number of contacts Low Voltage	2
Number of contacts High Voltage	1
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	8.10 - 8.50 mm
Size	2E
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac85.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac85.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	2E.702 - 1 High V. 2 Low V.
Footprint IPC Class3 compatibility	No
Insulator	J: PEEK/PEEK
Rated current	15 A
Test voltage HV contact - Ue (kV rms)	6.3
Air clearance	10 mm
Creepage distance	10 mm

## Form & Material

Shell style / Model id	FFB - Straight plug, cable collet and safety locking ring 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
Weight	42.23 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	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.10 - 8.50 mm

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