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## Summary

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Number of contacts Low Voltage	5
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.10 - 3.50 mm
Size	1E
Suggested matching part	<a href="#">ERA.1E.305.CLL</a>
Series	E - Outdoor Stepped Insert

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
Insert configuration value	1E.305 - 2 (0.9 mm) + 3 (0.7 mm) Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	0.9 mm : 10 A, 0.7 mm : 7 A
Test voltage (kV DC)	2.1
Bucket Dia.	2x0.8 mm, 3x0.8 mm
Contact Dia.	2x0.9 mm, 3x0.7 mm
Wire Size/AWG details	0.9 mm : 22 (AWG max), 0.7 mm : 26 (AWG max)

## Form & Material

Shell style / Model id	FFA - Straight plug, cable collet
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	23.28 g

## 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.)
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

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-305-clac35.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-305-clac35.html)

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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.10 - 3.50 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFA.1E.100.NAS</a>
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