

Standard

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[SE series](#)[Customer Drawing](#)

Number of contacts Low Voltage	5
Wire Size/AWG	28 - 20
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.10 - 4.50 mm
Size	2E
Suggested matching part	<a href="#">ERA.2E.305.CLL</a>
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-305-clac45.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-305-clac45.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	2E.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	13 A
Test voltage (kV DC)	2.1
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20

## 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	42.46 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]	4.10 - 4.50 mm

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">BFA.2E.100.NAS</a>
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# CAD

## Documents

Eplan	<a href="#">Download</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
50090	PVC	Black	

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-305-clac45.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-305-clac45.html)

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