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## Summary

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Nb of contacts Coax	3
Number of contacts Low Voltage	25
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	21.10 - 22.00 mm
Size	6E
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/fgg-6e-865-clac224.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/fgg-6e-865-clac224.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
Nb of contacts Coax	3
Contact Termination Coax	Solder
Insulator	L: PEEK (UL 94 / V-0/1.5)
Cable type	RG 122 /U
Number of contacts Low Voltage	25

## Form & Material

Shell style / Model id	FG - 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

## 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

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## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	21.10 - 22.00 mm

## Drawings



## Dimensions

	<b>A</b>	<b>L</b>	<b>S2</b>	<b>M</b>
mm.	47	118	38	89
in.	1.85	4.65	1.5	3.5

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