



## Summary

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Number of contacts Low Voltage	5
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.30 - 14.60 mm
Size	1E
Suggested matching part	<a href="#">FFA.1E.305.CLAC35</a>
Series	E - Outdoor Stepped Insert

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

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# Technical details

## Electrical Configuration

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	2x0.9 contacts : 10 Amps and 3x0,7 contacts : 7 A
Vtest	1500 V (AC), 2100 V (DC)
Contact Type	Solder
Number of contacts Low Voltage	5

## Form & Material

Shell style / Model id	HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight, special potting
Socket / Receptacle	Fixed Panel Front Mounted
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 female pin 1
Variant	Watertight / Vacuum-tested unmated (connector to device), special potting

## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Climatical Category	20/80/21
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]
R leak (He) (max)	0.0000001 mbar*/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

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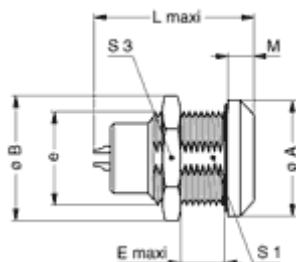
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## Cable fixation

Jacket cable outside diameter [mm]

1.30 - 14.60 mm

## Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>e</b>	<b>E</b>	<b>L</b>	<b>M</b>	<b>S1</b>	<b>S3</b>
mm.	20	21.5	M16x1.0	9	28	4.5	14.5	19
in.	0.79	0.85		0.35	1.1	0.18	0.57	0.75

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