

Standard



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## Summary

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Number of contacts Low Voltage	3
Wire Size/AWG	30 - 22
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.303.CLAC30</a>
Series	E - Outdoor Stepped Insert

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/hgp-1e-303-cllpv.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/hgp-1e-303-cllpv.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	3
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1E.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage (kV DC)	1.8
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Wire Size/AWG	30 - 22

## Form & Material

Shell style / Model id	HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight
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
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	21.47 g

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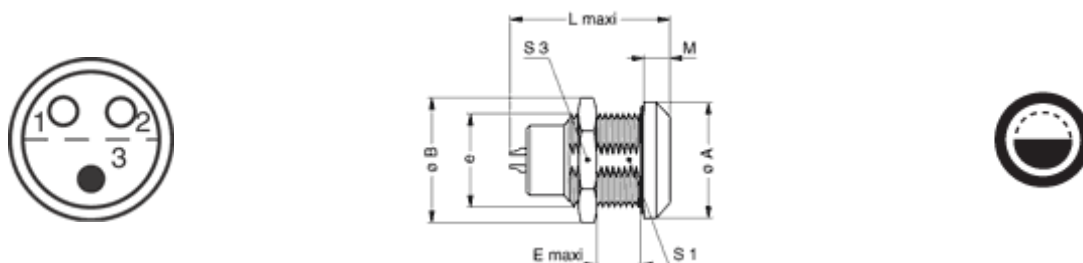
## Environment

Technical domain	Energy and Industrial, Test and Measurement
Environmental sealing (IP rating)	Hermetic unmated
Endurance	5000 mating cycles
Temperature range	-20°C / +100°C
Climatic 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]
Pressure	60 bars
R leak (He) (max)	10 <sup>-7</sup> mbar·l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

## Cable fixation

Jacket cable outside diameter [mm]	1.30 - 14.60 mm
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## Drawings



## Dimensions

	A	B	e	E	L	M	S1	S3
mm.	20	21.5	M16x1.0	9	29.1	4.5	14.5	19
in.	0.79	0.85		0.35	1.15	0.18	0.57	0.75

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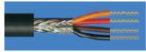








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# Recommended By Lemo

## Accessories

Compatible cap [BRE.1K.200.NAS](#)

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.T28.031PGZE		grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
130240	PVC	Black	
130250	PVC	Grey	
30110	PVC	Grey	
30141	PVC	Grey	
30260	PVC	Black	
3041	PVC	Grey	
3050	PVC	Black	
3081	PVC	Black	
3220	PVC	Black	
3280	PVC	Black	
60080	PVC	Grey	

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