



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	20
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	3N
Series	N - Nuclear Stainless Steel

[https://www.lemo.com/int\\_en/solutions/supreme/n-nuclear-stainless-steel/hsg-3n-320-tlapv.html](https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/hsg-3n-320-tlapv.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	3N.320 - 20 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Contact Type	Solder
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Number of contacts Low Voltage	20
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	HSG - Fixed receptacle, with long pre-positioning sleeve, watertight or vaccumtight
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Stainless steel shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	Push-Pull latch for manipulator. Male contacts
Colour	Grey
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	207.25 g

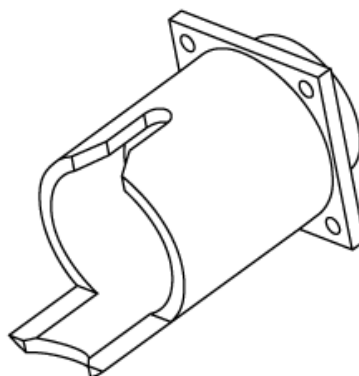
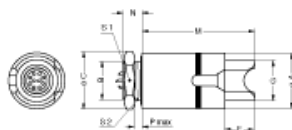
## Environment

Technical domain	Energy and Industrial, Specialties and Other
Environmental sealing (IP rating)	Hermetic unmated
R leak (He) (max)	0.0000001 mbar*l/s (if vacuum-tested)

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# Drawings



## Dimensions

	<b>A</b>	<b>B</b>	<b>C</b>	<b>F</b>	<b>G</b>	<b>M</b>	<b>N</b>	<b>P</b>	<b>S1</b>	<b>S2</b>
mm.	32	M24x1.0	34	18.5	19	68.5	13.0	8.0	30	22.5
in.	1.26		1.34	0.73	0.75	2.7	0.51	0.31	1.18	0.89

## Cables

<b>Cable PartNumber</b>	<b>Material</b>	<b>Colour</b>	<b>Cable image</b>
420250	PVC	Grey	

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