



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	18
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-318-tlapv.html](https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/hsg-3n-318-tlapv.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	3N.318 - 18 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Contact Type	Solder
Max. Solid 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.	0.9 mm (0.035in)
Number of contacts Low Voltage	18
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	208.01 g

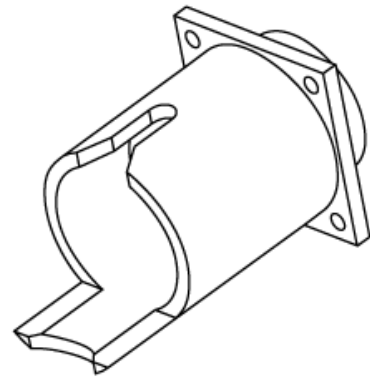
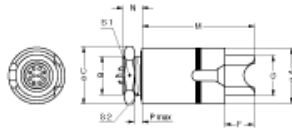
## Environment

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)

[https://www.lemo.com/int\\_en/solutions/supreme/n-nuclear-stainless-steel/hsg-3n-318-tlapv.html](https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/hsg-3n-318-tlapv.html)

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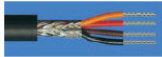


# Drawings



## Dimensions

	A	B	C	F	G	M	N	P	S1	S2
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

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	

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