



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	28 - 20
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.60 - 8.00 mm
Size	3N
Suggested matching part	<a href="#">HSG.3N.310.TLAPV</a>
Series	N - Nuclear Stainless Steel

[https://www.lemo.com/int\\_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-310-tlly80.html](https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-310-tlly80.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3N.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Max. Solid Conductor	0.5 mm <sup>2</sup> (AWG 20)
Max. Stranded Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	28 - 20
Gender	Reverse Gender

## Form & Material

Shell style / Model id	FZG - Straight plug with positioning pin, cable clamp and smooth handling surface
Plug	Straight
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. Female contacts
Colour	Grey
Weight	218.36 g

## Environment

Technical domain	Energy and Industrial, Specialties and Other
Environmental sealing (IP rating)	IP66

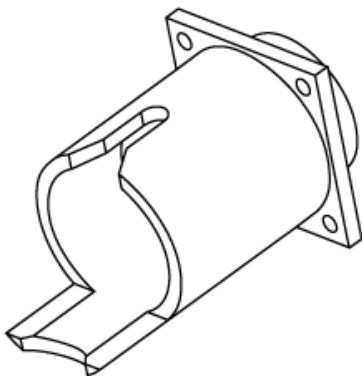
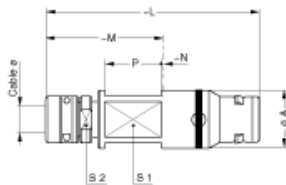
## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	7.60 - 8.00 mm

[https://www.lemo.com/int\\_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-310-tlly80.html](https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-310-tlly80.html)

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# Drawings



## Dimensions

	A	L	M	N	P	S1	S2
mm.	25	103	55	1	25	21	20
in.	0.98	4.06	2.17	0.04	0.98	0.83	0.79

# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T20.080PGZE		grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	

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