



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	18
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	11.10 - 12.00 mm
Size	3N
Series	N - Nuclear Stainless Steel

https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-318-tlay12.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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 ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (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	Standard

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. Male contacts
Colour	Grey
Weight	201.38 g

Environment

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

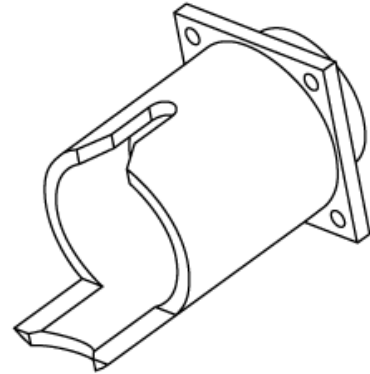
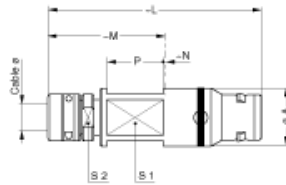
https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-318-tlay12.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	11.10 - 12.00 mm

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

https://www.lemo.com/int_en/solutions/supreme/n-nuclear-stainless-steel/fzg-3n-318-tlay12.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.