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Summary

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Number of contacts Low Voltage	32
Nb of contacts Triax	1
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	11.60 - 12.50 mm
Size	5W
Suggested matching part	EVG.5W.997.CLL
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-5w-997-clac12.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	32
Contact Termination Low voltage	Solder
Nb of contacts Triax	1
Contact Termination Triax	Solder
R (max)	3.6 mOhm
Insert configuration value	5K.997 - 1 Triax (75 Ohm), 32 LV
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Test voltage (kV DC)	1.70
Test voltage (kV rms)	1.20
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Gender	Standard

Form & Material

Shell style / Model id	FV - Straight plug, cable collet
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Threaded
Keying	G: 1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)
Colour	Grey

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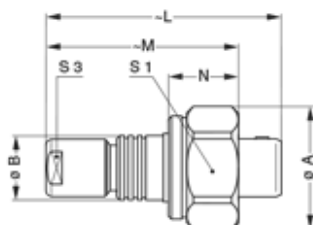
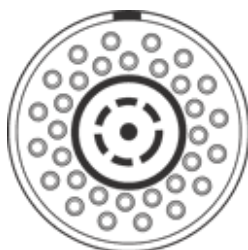
Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-20°C / +200°C (max. temperature valid for short periods of use.)
Climatical Category	20/200/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Pressure	30 bars
Salt Spray Corrosion	>1000 hr

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	11.60 - 12.50 mm

Drawings



Dimensions

	A	B	L	M	N	S1	S3
mm.	50.0	34.0	100.0	83.0	21.0	47	30
in.	1.97	1.34	3.94	3.27	0.83	1.85	1.18

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Recommended By Lemo

Accessories

Compatible cap [BFG.5W.100.NAZ](#)