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Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	1W
Suggested matching part	EVG.1W.308.CLL
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-308-clac40.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1W.308 - 8 Low Voltage
Rated current	5 A
Vtest (contact-contact)	950 V (AC) 1300 V (DC)
Vtest (contact-shell)	1150 V (AC) 1600 V (DC)
Max. 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.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
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
Weight	30.78 g

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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]	3.60 - 4.00 mm

Recommended By Lemo

Accessories

Compatible cap	BFG.1W.100.NAZ
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Cables

Cable PartNumber	Material	Colour	Cable image
8050	PVC	Black	

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