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Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	0W
Suggested matching part	HRG.0W.307.CLLPV
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-0w-307-clak50.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0W.307 - 7 Low Voltage
Rated current	2.5 A
Vtest (contact-contact)	800 V (AC) 1100 V (DC)
Vtest (contact-shell)	700 V (AC) 1000 V (DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Wire Size/AWG	34 - 28
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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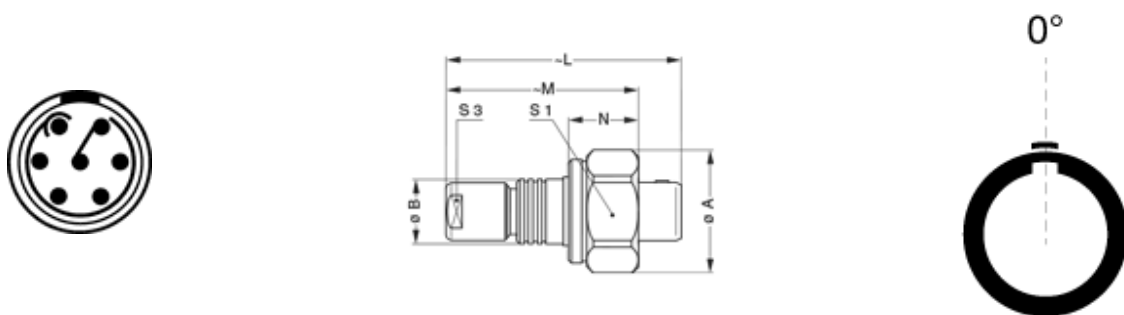
Environment

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]	4.60 - 5.00 mm

Drawings



Dimensions

	A	B	L	M	N	S1	S3
mm.	17.2	8.9	35.5	30.8	13.5	16	8
in.	0.68	0.35	1.4	1.21	0.53	0.63	0.31

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Recommended By Lemo

Accessories

Compatible cap	BFG.0W.100.NAZ
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