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Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	34 - 28
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Threaded
Size	0W
Suggested matching part	FVG.0W.307.CLAC50
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/hvg-0w-307-cllpv.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	HV - Fixed socket, nut fixing, vacuumtight
Socket / Receptacle	Fixed Panel Front Mounted
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
Variant	Watertight / Vacuum-tested unmated (connector to device)
Weight	12.61 g

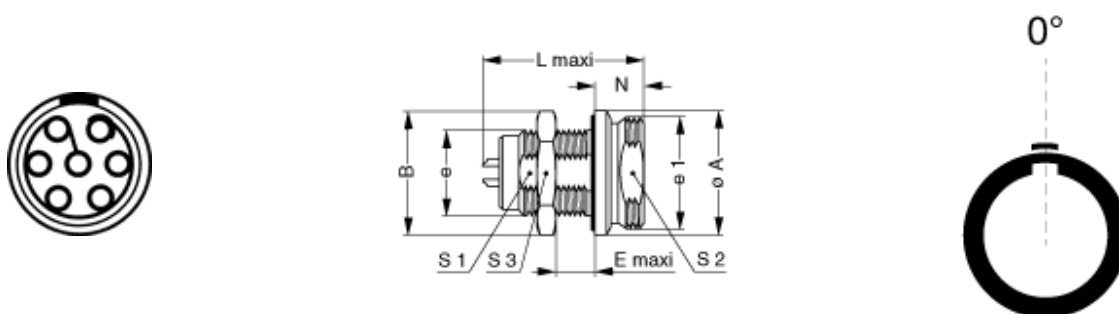
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Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	Hermetic unmated
Endurance	1000 mating cycles
Temperature range	-20°C / +100°C
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	60 bars
R leak (He) (max)	0.0000001 mbar*l/s (if vacuum-tested)
Salt Spray Corrosion	>1000 hr

Drawings



Dimensions

	A	B	e	e1	E	L	N	S1	S2	S3
mm.	16.2	16	M12x1.0	M14x1.0	5.5	24.1	8	10.5	12.5	14
in.	0.64	0.63			0.22	0.95	0.31	0.41	0.49	0.55

Recommended By Lemo







Accessories

Compatible cap [BRE.OV.200.NAV](#)

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.07.T28.044PGZE		grey	
CMN.07.T28.044PNZE			
7041	PVC	Grey	
7050	PVC	Black	
717920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	

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