



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Threaded
Size	1W
Suggested matching part	<a href="#">FVG.1W.308.CLAC40</a>
Series	W - Underwater

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/hvg-1w-308-cllpv.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/hvg-1w-308-cllpv.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. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (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	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	20.57 g

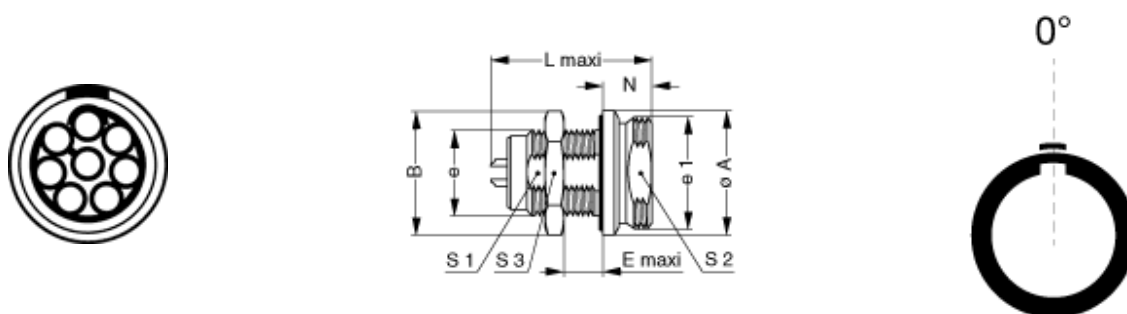
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## Environment

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.	18.3	19.5	M14x1.0	M16x1.0	11.5	30	8	12.5	14.5	17
in.	0.72	0.77			0.45	1.18	0.31	0.49	0.57	0.67

## Recommended By Lemo






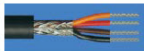







### Accessories

Compatible cap [BRE.1V.200.NAV](#)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.08.T22.059QGC	TPR	Grey	
CMN.08.T22.059QGZE	TPR (medical)	Grey	
CMN.08.T26.042QGZE	TPR (medical)	Grey	
108220	PVC	Black	
108240	PTFE	White	
108260	PTFE	White	
16080	PVC	Grey	
180240	PVC	Black	
180260	PVC	Black	
280250	PVC	Grey	
335990	PVC	Black	
335991	PVC	Black	
42265	PVC	Yellow	
80140	PVC	Grey	
8050	PVC	Black	
8280	PVC	Black	

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