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Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Threaded
Jacket cable outside diameter [mm]	8.10 - 8.50 mm
Size	1W
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/pvg-1w-306-cllk85.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	1W.306 - 6 Low Voltage
Rated current	7 A
Vtest (contact-contact)	1050 V (AC) 1500 V (DC)
Vtest (contact-shell)	1200 V (AC) 1700 V (DC)
Max. Solid 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	PV - Free socket, oversize cable collet
Socket / Receptacle	Free
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	32.28 g

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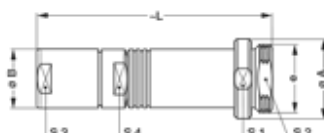
Environment

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)
Jacket cable outside diameter [mm]	8.10 - 8.50 mm

Drawings



Dimensions

	A	B	e	L	S1	S2	S3	S4
mm.	18.3	14	M16x1.0	58	16	14.5	12	12
in.	0.72	0.55		2.28	0.63	0.57	0.47	0.47

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Recommended By Lemo

Accessories

Compatible cap

[BRF.1V.200.NAV](#)

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