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Summary

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Number of contacts Low Voltage	6
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.306.CLAC45
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/evg-0w-306-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	8.7 mOhm
Insert configuration value	0W.306 - 6 Low Voltage
Rated current	2.5 A
Vtest (contact-contact)	850 V (AC) 1200 V (DC)
Vtest (contact-shell)	650 V (AC) 900 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	EV - Fixed socket, nut fixing
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
Weight	11.09 g

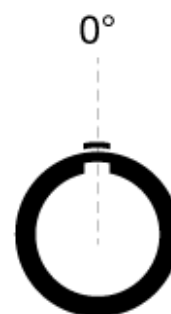
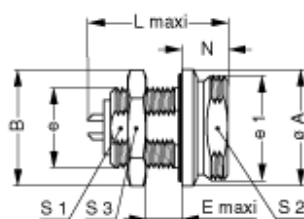
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Environment

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

Drawings



Dimensions

	A	B	e	e1	E	L	N	S1	S2	S3
mm.	16.2	16	M12x1.0	M14x1.0	4	21.7	8	10.5	12.5	14
in.	0.64	0.63			0.16	0.85	0.31	0.41	0.49	0.55

Recommended By Lemo

Accessories








Compatible cap

[BRE.0V.200.NAV](#)

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
12080	PVC	Grey	
6280	PVC	Black	

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