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Summary

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Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Threaded
Panel Drill Hole	M12
Size	0W
Suggested matching part	FVG.0W.302.CLAC50Z FVG.0W.302.CLAC10
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/evg-0w-302-cll.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	0W.302 - 2 Low Voltage
Rated current	10 A
Test voltage contact-contact	1300 V (AC) 1800 V (DC)
Test voltage contact-shell	1050 V (AC) 1500 V (DC)
Max. Solid Conductor	0.56 mm ² (AWG 20)
Max. Stranded Conductor	0.56 mm ² (AWG 20)
Bucket Dia.	1.0 mm (0.039in)
Contact Dia.	0.9 mm (0.035in)
Wire Size/AWG	28 - 20
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	10.5 g
Panel Drill Hole	M12

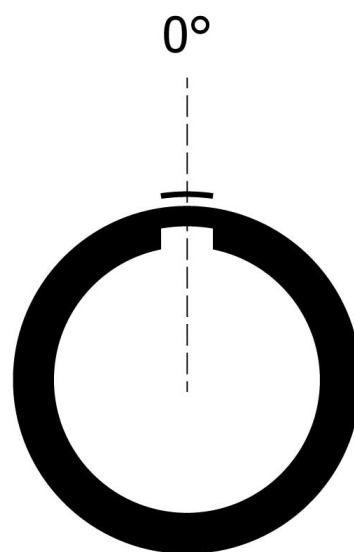
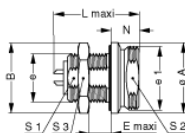
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Environment

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.)
Climatic 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

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Recommended By Lemo

Caps	
Compatible cap	BRE.OV.200.NAV
Cap 2	BRS.0W.200.CAV

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.02.T28.030PGCE	PVC	GREY	
CMN.02.T28.030PGZE		grey	
CMN.02.T28.030PNCE	PVC	Black	
CMN.02.T28.030PNZE			
102080	PVC	Grey	
120184	PVC	Black	
120240	PVC	Black	
120250	PVC	Grey	
20140	PVC	Grey	
20140	PVC	Grey	
20141	PVC	Grey	
20142	PVC	Red	
20143	PVC	Green	
20144	PVC	Black	
20145	PVC	Yellow	
20146	PVC	Black	
20240	PTFE	White	
20260	PVC	Black	
20264	PVC	Black	
20266	PVC	Violet	
2050	PVC	Black	
20550	PUR	Black	
20560	PUR	White	
2080	PVC	Grey	
2221	PVC	Black	
2260	PTFE	White	
2280	PVC	Black	
4082	PVC	Grey	
CMB.02.210.635	PUR	Black	

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