



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Threaded
Size	2W
Series	W - Underwater

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/evg-2w-318-cym.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/evg-2w-318-cym.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	2W.318 - 18 Low Voltage
Rated current	5.5 A
Vtest (contact-contact)	1450 V (AC) 2100 V(DC)
Vtest (contact-shell)	2100 V (AC) 3000 V (DC)
Contact retention	22 N
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22
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	26.46 g

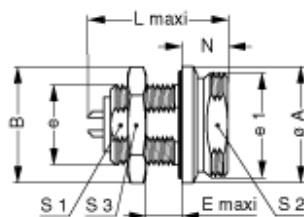
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## Environment

Technical domain	Specialties and Other
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-20°C / +200°C
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.	22.5	21.8	M16x1.0	M20x1.0	9	30.7	9	14.5	18.5	19
in.	0.89	0.86			0.35	1.21	0.35	0.57	0.73	0.75

## Recommended By Lemo

### Accessories

Replacement contact	<a href="#">EGG.2B.655.ZZM</a>
Compatible cap	<a href="#">BRE.2V.200.NAV</a>



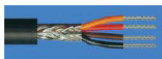


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## Tools

Positionner	<a href="#">DCE.91.072.BVM</a>
Extraction tool	<a href="#">DCC.07.04B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
218220	PVC	Black	
218240	PVC	Black	
218260	PVC	Black	
236080	PVC	Grey	
318250	PVC	Grey	

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