



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	8.10 - 8.50 mm
Size	2W
Series	W - Underwater

[https://www.lemo.com/int\\_en/solutions/supreme/w-underwater/fvg-2w-307-cycc85.html](https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-2w-307-cycc85.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	2W.307 - 7 Low Voltage
Rated current	11 A
Vtest (contact-contact)	1950 V (AC) 2800 V(DC)
Vtest (contact-shell)	2150 V (AC) 3000 V (DC)
Contact retention	40 N
Max. Conductor	1 mm <sup>2</sup> (AWG 18)
Min. Conductor	0.5 mm <sup>2</sup> (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	20 - 18
Gender	Standard

## Form & Material

Shell style / Model id	FV - Straight plug, cable collet
Plug	Straight
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	53.43 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)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	8.10 - 8.50 mm

# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">FGG.2B.565.ZZC</a>
Compatible cap	<a href="#">BFG.2W.100.NAZ</a>

## Tools

Positionner	<a href="#">DCE.91.132.BVC</a>
Extraction tool	<a href="#">DCC.13.15B.LAG</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

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