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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	20 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	5.10 - 5.50 mm
Size	3W
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fva-3w-310-clac55.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	3W.310 - 10 Low Voltage
Rated current	12 A
Vtest (contact-contact)	1250 V (AC) 1800 V (DC)
Vtest (contact-shell)	900 V (AC) 1300 V (DC)
Max. Solid Conductor	0.5 mm ² (AWG 20)
Max. Stranded Conductor	0.5 mm ² (AWG 20)
Bucket Dia.	1 mm (0.039in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	20 - 20
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	A: 2 keys (alpha=30, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Weight	88.97 g

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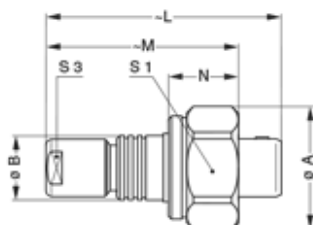
Environment

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]	5.10 - 5.50 mm

Drawings



Dimensions

	A	B	L	M	N	S1	S3
mm.	27.8	17.0	61.5	48.0	16.5	26	15
in.	1.09	0.67	2.42	1.89	0.65	1.02	0.59

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Recommended By Lemo

Accessories

Compatible cap	BFG.3W.100.NAZ
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110260	PTFE	White	