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Summary

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Number of contacts Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	3.60 - 4.00 mm
Size	1W
Suggested matching part	EVG.1W.304.CLL
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-304-clac40z.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	4.8 mOhm
Insert configuration value	1W.304 - 4 Low Voltage
Rated current	10 A
Test voltage contact-contact	1350 V (AC) 1900 V (DC)
Test voltage contact-shell	1450 V (AC) 2100 V (DC)
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.9 mm (0.035 in)
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	FV_/Z - Straight plug, cable collet and nut for fitting a bend relief
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
Variant	Nut for fitting a bend relief
Weight	31.22 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.)
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

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.60 - 4.00 mm

Recommended By Lemo

Caps

Compatible cap	BFG.1W.100.NAZ
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Bend Reliefs

GMA.1B.035.DG	GMA.1B.035.DA	GMA.1B.035.DB
GMA.1B.035.DJ	GMA.1B.035.DM	GMA.1B.035.DN
GMA.1B.035.DR	GMA.1B.035.DS	GMA.1B.035.DV

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Cables

Cable PartNumber	Material	Colour	Cable image
40080	PVC	Black	
40086	PVC	Blue	
40140	PVC	Black	
40240	PTFE	White	

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