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Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	5.60 - 6.00 mm
Size	1V
Suggested matching part	EVP.1V.304.CLL

https://www.lemo.com/int_en/fvn-1v-304-clac60.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1V.304 - 4 Low Voltage
Rated current	10 A
Vtest	1200 V (AC), 1800 V (DC)
Max. Solid Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FVN - 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	Hermaphroditic keying (half moon insert) with male pin 1
Colour	Grey
Weight	31 g

Environment

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
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Pressure	30 bars
Salt Spray Corrosion	>1000 hr

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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.60 - 6.00 mm

Recommended By Lemo

Accessories

Compatible cap	BFA.1V.100.NAZ
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