



Summary

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Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	4.60 - 5.00 mm
Size	1W
Matching parts	EVG.1W.304.CLL
Series	W - Underwater

Technical details

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-304-clac50.html

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Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	4.8 mOhm
Insert configuration value	1W.304 - 4 Low Voltage
Rated current	10 Amps
Vtest (contact-contact)	1350 V (AC) 1900 V (DC)
Vtest (contact-shell)	1450 V (AC) 2100 V (DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.035in)
Low Voltage	4
Protocol	USB 2.0 (480Mb/s)
Wire Size/AWG	30 - 22
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	1 key (alpha=0, Plug: male contacts, Receptacle: female contacts)
Weight	29.46 g

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Environment

Technical domain	Specialties and Other
Environmental protection (IP rating)	IP68
Minimal temperature	-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

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.60 - 5.00 mm

Recommended By Lemo






Accessories

Tools

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40260	PVC	Black	
4221	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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