



Summary

[Request a quote](#)

[Catalog](#)

Low Voltage	4
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	2.60 - 3.00 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-clac30.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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	31.22 g

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-304-clac30.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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]	2.60 - 3.00 mm

Recommended By Lemo

Accessories

Tools

Cables

Cable PartNumber	Material	Colour	Cable image
4041	PVC	Grey	
4050	PVC	Black	

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-304-clac30.html

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.