



Image for illustrative purpose only

Summary

[Request a quote](#)

[Catalog](#)

Number of contacts Low Voltage	2
Wire Size/AWG	28 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Threaded
Jacket cable outside diameter [mm]	6.10 - 6.50 mm
Size	1W
Suggested matching part	EVG.1W.302.CLL
Series	W - Underwater

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-302-clac65z.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.

Technical details

Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	Solder
R (max)	3.6 mOhm
Insert configuration value	1W.302 - 2 Low Voltage
Rated current	15 A
Vtest (contact-contact)	1500 V (AC) 2100 V (DC)
Vtest (contact-shell)	1350 V (AC) 1900 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	28 - 20
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
Weight	29.98 g

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-302-clac65z.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 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.10 - 6.50 mm

Recommended By Lemo

Accessories

Compatible cap	BFG.1W.100.NAZ
----------------	--------------------------------

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-302-clac65z.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.