



Summary

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Thermocouple	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
Series	W - Underwater

Technical details

Electrical Configuration

Thermocouple	2
Insert configuration value	1W.302 - 2 Low Voltage
Rated current	15 Amps
ThC. Materials (P+/N-)	Copper / Constantan
Contact Dia.	1.3
Wire Size/AWG	28 - 20
Gender	Standard

https://www.lemo.com/int_en/solutions/supreme/w-underwater/fvg-1w-302-cltc65.html

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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	29.98 g

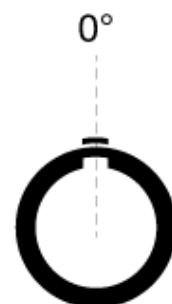
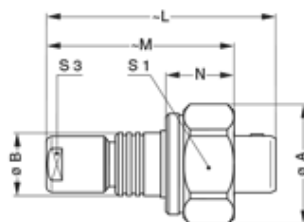
Environment

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]	6.10 - 6.50 mm

Drawings



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Dimensions

	A	B	L	M	N	S1	S3
mm.	19.3	11.0	43.7	35.5	14.0	18	9
in.	0.76	0.43	1.72	1.4	0.55	0.71	0.35

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