



*Image for illustrative purpose only*

## Summary

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### F series

Nb of contacts Thermocouple	2
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Series	F - Rugged Push-Pull

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/fgp-0f-302-xlks.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgp-0f-302-xlks.html)

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# Technical details

## Electrical Configuration

Nb of contacts Thermocouple	2
Contact Termination Thermocouple	Solder
Insert configuration value	0F.302 - 2 Low Voltage
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
ThC. Materials (P+/N-)	Chromel / Alumel
Contact Dia.	0.9
Wire Size/AWG	30 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug
Plug	Straight
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	S: Silicone gasket
Weight	7.62 g

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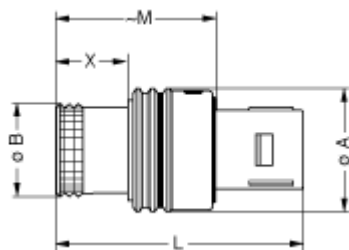
## Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	1000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	15/200/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Operating temperature	-55°C/ +200°C
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	max. 48 hr

## Cable fixation

Cable termination protection	Heatshrink
Fixation type	Heatshrink
Jacket cable outside diameter [mm]	3.80 - 9.00 mm

# Drawings



## Dimensions

	M	A	B	L	X
mm.	17.8	12	9	27.5	8
in.	0.7	0.47	0.35	1.08	0.31

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# Recommended By Lemo

Accessories	
Compatible cap	<a href="#">BFG.0F.100.XAZ</a>