

*Image for illustrative purpose only*

Summary

[Request a quote](#)**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

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

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgp-0f-302-xlks.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.

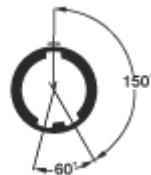
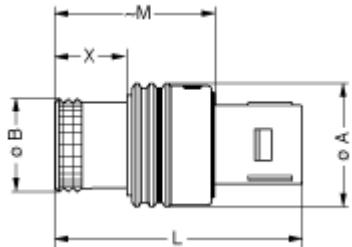
Environment

Technical domain	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
in.	0.7	0.47	0.35	1.08

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgp-0f-302-xlks.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.

Recommended By Lemo

Accessories

Compatible cap

[BFG.OF.100.XAZ](#)

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgp-of-302-xlks.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.