



## Summary

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[See video assembly instructions](#)

Low Voltage	30
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 16.00 mm
Size	3F
Series	F - Rugged Push-Pull

## Technical details

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/fgn-3f-330-clc.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgn-3f-330-clc.html)

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## Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	3F.330 - 30 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3.5 Amps
Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact retention	22 N
Contact Type	Crimp
Max. Conductor	0.34 mm <sup>2</sup> (AWG 22)
Min. Conductor	0.14 mm <sup>2</sup> (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Low Voltage	30
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	FG - Straight plug
Plug	Straight
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and nut, other pieces brass
Locking system	Push-pull
Keying	3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Weight	20.83 g

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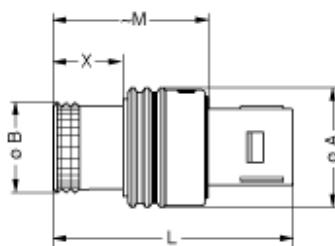
## Environment

Technical domain	Motorsport, Security and Defence
Environmental protection (IP rating)	IP67
Minimal temperature	-55°C / +200°C
Climatical Category	50/175/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [ 6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	Heatshrink
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 16.00 mm

## Drawings



## Dimensions

	M	L	B	A	X
mm.	17.9	27.8	16	19	8
in.	0.7	1.09	0.63	0.75	0.31

## Recommended By Lemo

### Accessories

Replacement contact [FGG.0B.555.ZZC](#)

### Tools

Positionner [DCE.91.070.BVC](#)








Extraction tool [DCF.93.070.4LT](#)

Crimp tool [DPC.91.701.V](#)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.30.T22.087PGCE	PVC	GREY	
CMN.30.T22.087PGZE		grey	
CMN.30.T22.087PNCE	PVC	Black	
CMN.30.T22.087PNZE			
330240	PVC	Black	
330260	PVC	Black	
430250	PVC	Grey	

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