



Image for illustrative purpose only

## Summary

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f series

Number of contacts Low Voltage	30
Wire Size/AWG	26 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M18
Jacket cable outside diameter [mm]	5.30 - 16.00 mm
Size	3F
Suggested matching part	<a href="#">FGN.3F.330.XLC</a>
Series	F - Rugged Push-Pull

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

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	30
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 A
Vtest (contact-contact)	1350 V (AC), 1910 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact retention	22 N
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)
Wire Size/AWG	26 - 22
Gender	Standard

## Form & Material

Shell style / Model id	PE - Straight receptacle, nut fixing (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
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
Weight	14.56 g
Panel Drill Hole	M18

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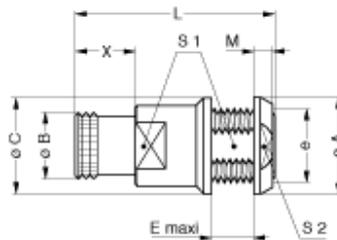
## Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	1000 mating cycles
Temperature range	-15°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]
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]	5.30 - 16.00 mm

## Drawings



## Dimensions

	S2	A	B	C	e	E	L	M	S1	X
mm.	19	22	16	22	M18x1.0	6.4	28.2	4	16.5	8
in.	0.75	0.87	0.63	0.87		0.25	1.11	0.16	0.65	0.31

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# Recommended By Lemo

## Accessories

Replacement contact	<a href="#">EGG.0B.655.ZZM</a>
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## Tools

Spanner 2	<a href="#">DCM.65.190.AZ</a>
Positionner	<a href="#">DCE.91.070.BVM</a>
Extraction tool	<a href="#">DCF.93.070.4LT</a>
Crimp tool	<a href="#">DPC.91.701.V</a>

# 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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