

Standard



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Summary

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[f series](#)

[Application leaflet Security Defence](#)

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	FGP.3F.330.XLC

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/pep-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) - electrical contact resistance	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
Test voltage contact-contact	1.54 kV DC
Test voltage contact-shell	1.4 kV DC
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
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=145, gamma=70, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	14.46 g
Panel Drill Hole	M18

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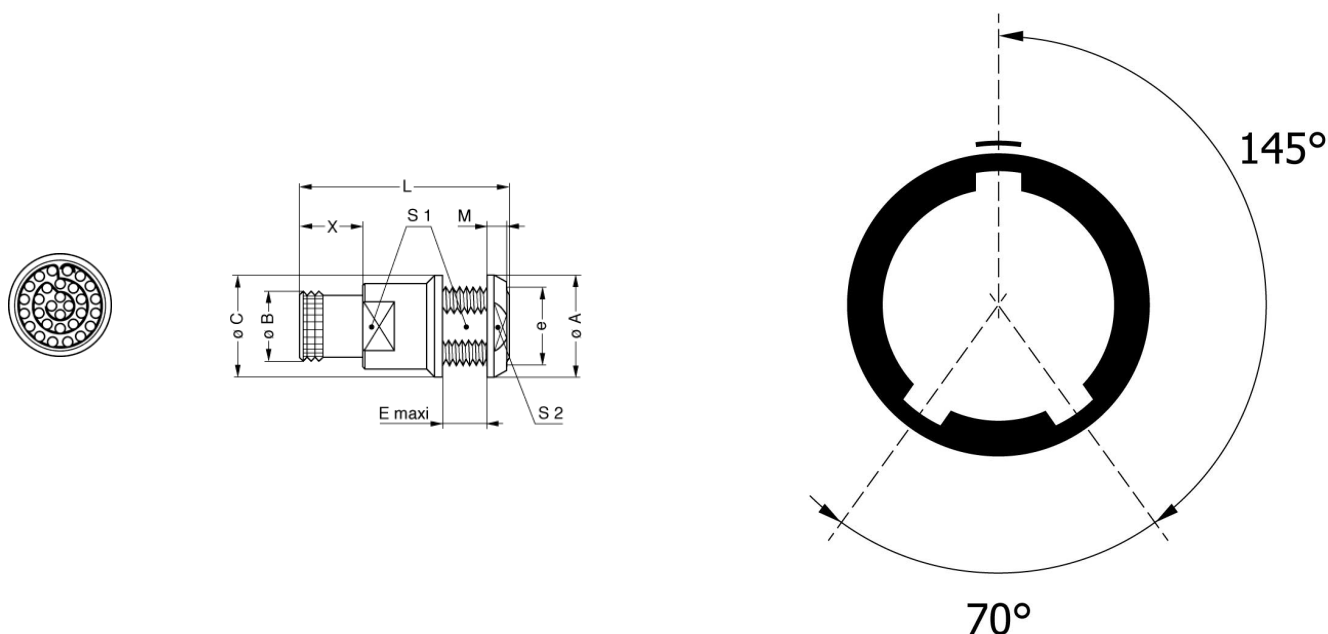
Environment

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



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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

Recommended By Lemo

Contacts

Replacement contact [EGG.0B.655.ZZM](#)

Caps

Compatible cap [BRE.3F.200.XAV](#)

Tools

Spanner 2 [DCM.65.190.AZ](#)

Positionner [DCE.91.070.BVM](#)

Extraction tool [DCF.93.070.4LT](#)

Insertion tool [DCV.07.05M.LA](#)

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

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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