

[Standard](#)

Image for illustrative purpose only

Summary

[Request a quote](#)[f series](#)[LEMO Brochure Industry Defence Security](#)

Number of contacts Low Voltage	30
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M18
Size	3F
Suggested matching part	FGN.3F.330.XLC
Series	F - Rugged Push-Pull

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehn-3f-330-xln.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.

Technical details

Electrical Configuration

Number of contacts Low Voltage	30
Contact Termination Low voltage	PCB - Straight
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	3F.330 - 30 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
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 Dia.	0.7 mm (0.028 in)
Gender	Standard

Form & Material

Shell style / Model id	EH - Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)
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	11.46 g
Panel Drill Hole	M18

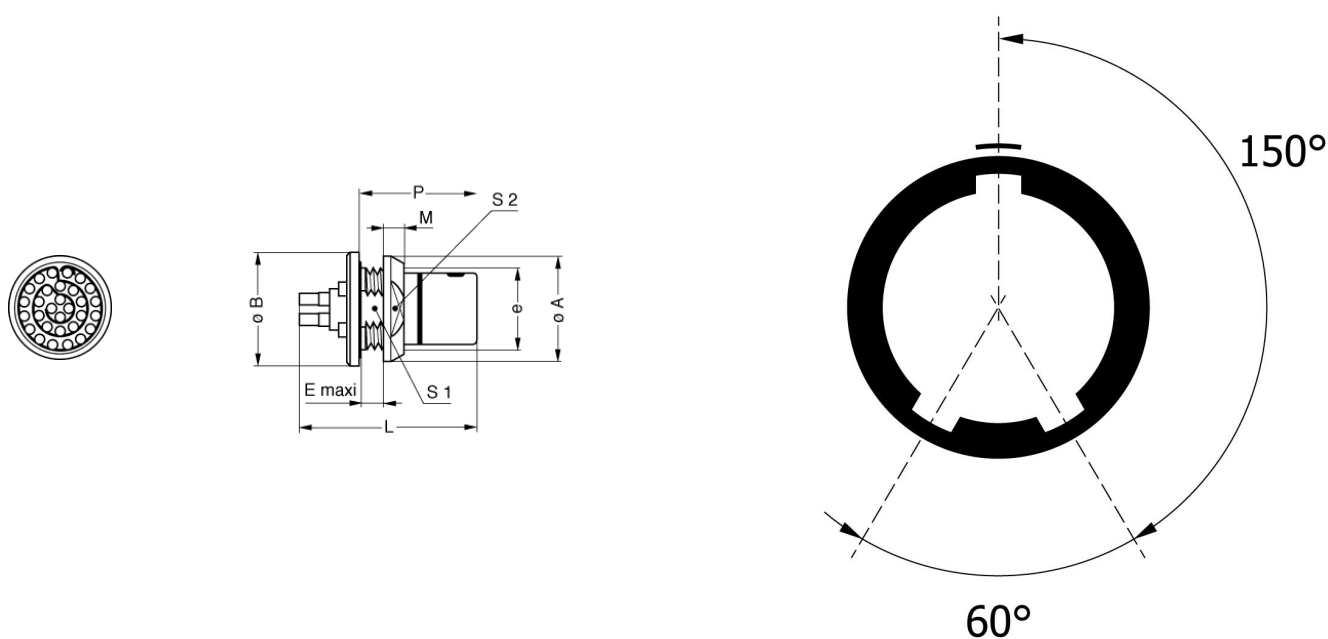
https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehn-3f-330-xln.html

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	-20°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

Drawings



Dimensions

	A	B	e	E	H	L	M	P	S1	S2
mm.	22	23	M18x1.0	3	11.43	21.6	4	14.5	16.5	19
in.	0.87	0.91		0.12	0.45	0.85	0.16	0.57	0.65	0.75

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ehn-3f-330-xln.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

Caps	
Compatible cap	BRE.3F.200.XAV
Tools	
Spanner 2	DCM.65.190.AZ