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Summary

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[f series](#)

Number of contacts Low Voltage	5
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Size	0F
Suggested matching part	FGN.0F.305.XLC
Series	F - Rugged Push-Pull

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/egn-0f-305-xln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Straight
R (max)	6.1 mOhm
Insert configuration value	0F.305 - 5 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	6.5 A
Vtest (contact-contact)	1250 V (AC), 1770 V (DC)
Vtest (contact-shell)	1200 V (AC), 1700 V (DC)
Contact Dia.	0.7 mm (0.028in)
Gender	Standard

Form & Material

Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front 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=165, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	2.37 g

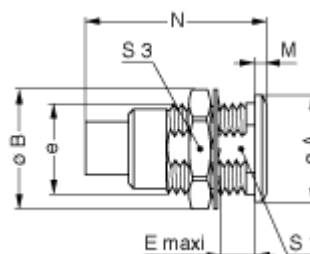
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Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP50
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

Drawings



Dimensions

	A	E	N	M	S1	S3	B	e
mm.	10	7	19	1.2	8.2	11	12.5	M9x0.6
in.	0.39	0.28	0.75	0.05	0.32	0.43	0.49	

Recommended By Lemo

Accessories

Compatible cap	BRE.0F.200.XAV
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Documents

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