



Summary

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Low Voltage	4
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	FF
Series	F - Rugged Push-Pull

Technical details

Electrical Configuration

Contact Termination Low voltage	PCB - Straight
R (max)	8.7 mOhm
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 Amps
Contact Type	Print (straight)
Contact Dia.	0.5 mm (0.02in)
Low Voltage	4
Gender	Standard

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/hen-ff-304-xlnp.html

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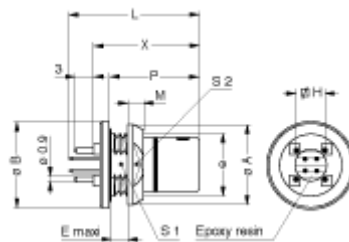
Form & Material

Shell style / Model id	HE - Fixed receptacle, nut fixing, for printed circuit (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 (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Variant	Watertight unmated (connector to device)
Weight	1.86 g

Environment

Technical domain	Motorsport, Security and Defence
Environmental protection (IP rating)	IP68
Minimal temperature	-15°C / +100°C
Climatical 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]
Pressure	5 bars
Salt Spray Corrosion	max. 48 hr

Drawings



Dimensions

	A	B	e	E	H	L	M	P	S1	S2	X
mm.	10	11	M7x0.5	3	5.08	18.2	2.5	12	6.4	8.2	15
in.	0.39	0.43		0.12	0.2	0.72	0.1	0.47	0.25	0.32	0.59

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