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Summary

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[f series](#)

Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 9.00 mm
Size	0F
Series	F - Rugged Push-Pull

Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	Solder
R (max)	6.1 mOhm
Insert configuration value	0F.305 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6.5 A
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Standard

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 (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Watertight unmated (connector to device)
Weight	3.38 g

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

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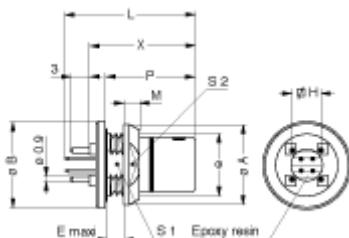
Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP68
Endurance	1000 mating cycles
Temperature range	-15°C / +100°C
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]
Pressure	5 bars
Salt Spray Corrosion	max. 48 hr

Cable fixation

Jacket cable outside diameter [mm]	3.80 - 9.00 mm
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Drawings



Dimensions

	A	B	e	E	H	L	M	P	S1	S2	X
mm.	13	14	M10x0.75	3	5.08	21.5	2.5	14.5	9	11	17.5
in.	0.51	0.55		0.12	0.2	0.85	0.1	0.57	0.35	0.43	0.69

Recommended By Lemo

Accessories

Compatible cap	BRE.OF.200.XAV
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
150250	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	
5050	PVC	Black	

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