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Summary

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Number of contacts Low Voltage	4
Wire Size/AWG	32 - 28
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.20 - 6.30 mm
Size	FF
Series	F - Rugged Push-Pull

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

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Technical details

Electrical Configuration

Contact Termination Low voltage	Crimp
R (max)	8.7 mOhm
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Contact retention	12 N
Contact Type	Crimp
Max. Conductor	0.09 mm ² (AWG 28)
Min. Conductor	0.035 mm ² (AWG 32)
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.02in)
Number of contacts Low Voltage	4
Wire Size/AWG	32 - 28
Gender	Reverse Gender

Form & Material

Shell style / Model id	FG - Straight plug
Plug	Straight
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces beryllium copper
Locking system	Push-pull
Keying	3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)
Weight	3.19 g

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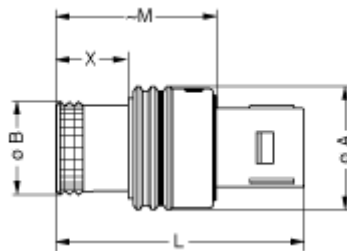
Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	300 mating cycles
Temperature range	-55°C / +200°C
Climatical Category	15/200/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Operating temperature	-55°C/ +200°C
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]

Cable fixation

Cable termination protection	Heatshrink
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.20 - 6.30 mm

Drawings



Dimensions

	A	B	L	M	X
mm.	8.5	6.3	21.6	13.8	5.7
in.	0.33	0.25	0.85	0.54	0.22

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Recommended By Lemo

Accessories

Replacement contact [EGG.00.654.ZZM](#)

Compatible cap [BFG.FF.100.XAZ](#)








Tools

Positionner [DCE.91.050.0VM](#)

Extraction tool [DCC.05.02B.LAG](#)

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

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T28.031PGCE	PVC	GREY	
CMN.04.T28.031PGZE		grey	
CMN.04.T28.031PNCE	PVC	Black	
CMN.04.T28.031PNZE			
CMN.04.T28.031QGC	TPR	Grey	
40080	PVC	Black	
40086	PVC	Blue	
4041	PVC	Grey	
4050	PVC	Black	
4080	PVC	Grey	
4280	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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