EGS.2F.310.XLC

Standard

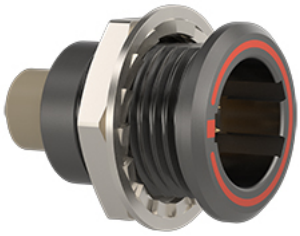


Image for illustrative purpose only

Summary

Request a quote

f series

LEMO Brochure Industry Defence Security

Number of contacts Low Voltage	10
Wire Size/AWG	24 - 20
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Panel Drill Hole	M15
Jacket cable outside diameter [mm]	5.30 - 14.00 mm
Size	2F
Suggested matching part	FGS.2F.310.XLM

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/egs-2f-310-xlc.html
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Series	F - Rugged Push-Pull

Technical details

Electrical Configuration	
Number of contacts Low Voltage	10
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	4.8 mOhm
Insert configuration value	2F.310 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8 A
Test voltage contact-contact	2 kV DC
Test voltage contact-shell	2.25 kV DC
Contact retention	30 N
Max. Conductor	0.5 mm² (AWG 20)
Min. Conductor	0.25 mm² (AWG 24)
Bucket Dia.	1.1 mm (0.043 in)
Contact Dia.	0.9 mm (0.035 in)
Wire Size/AWG	24 - 20
Gender	Reverse Gender

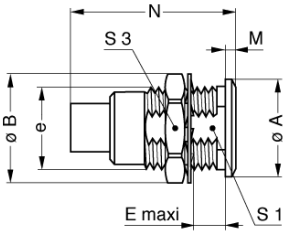
Form & Material	
Shell style / Model id	EG - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	7.02 g
Panel Drill Hole	M15

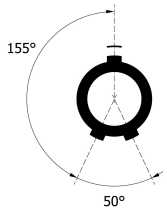
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Environment	
Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP50
Endurance	1000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	15/200/21 (Aluminium 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
Cable fixation	
Jacket cable outside diameter [mm]	5.30 - 14.00 mm

Drawings







Dimensions

	B	e	E	N	M	S1	S3	A
mm.	19.5	M15x1.0	6	19	1.8	13.5	17	18
in.	0.77		0.24	0.75	0.07	0.53	0.67	0.71

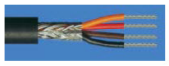
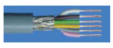
Recommended By Lemo

Contacts	
Replacement contact	FGG.0B.560.ZZC
Caps	
Compatible cap	BRE.2F.200.XAV
Plastic Cap	BRA.2F.200.PZSG

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Tools	
Positionner	DCE.91.090.BVC
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T20.080PGZE		grey	
CMN.10.T20.080PNZE			
CMN.10.T20.080QGC	TPR	Grey	
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110260	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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