EES.2F.319.XLC

Special

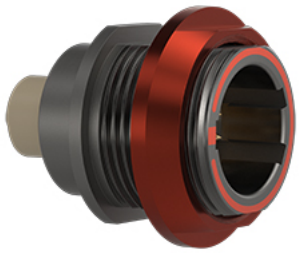


Image for illustrative purpose only

Summary

Request a quote

f series

LEMO Brochure Industry Defence Security

Number of contacts Low Voltage	19
Wire Size/AWG	26 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M16
Jacket cable outside diameter [mm]	5.30 - 14.00 mm
Size	2F
Suggested matching part	FGS.2F.319.XLM

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Series	F - Rugged Push-Pull

Technical details

Electrical Configuration

Number of contacts Low Voltage	19
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	2F.319 - 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.7 kV DC
Test voltage contact-shell	1.4 kV DC
Contact retention	22 N
Max. Conductor	0.34 mm² (AWG 22)
Min. Conductor	0.14 mm² (AWG 26)
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	26 - 22
Gender	Reverse Gender

Form & Material

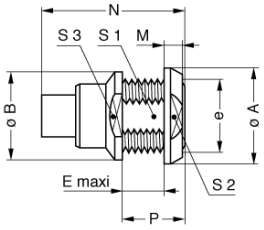
Shell style / Model id	EE - Fixed receptacle, nut fixing (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	9.29 g
Panel Drill Hole	M16

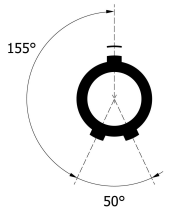
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Environment	
Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP50
Endurance	1000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	15/200/21 (Aluminium 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	A	N	M	P	S1	S2	S3	E
mm.	19	M16x1.0	20	19	4	10.4	14.5	17	16	6.4
in.	0.75		0.79	0.75	0.16	0.41	0.57	0.67	0.63	0.25

Recommended By Lemo

Contacts	
Replacement contact	FGG.0B.555.ZZC
Caps	
Compatible cap	BRE.2F.200.XAV
Plastic Cap	BRA.2F.200.PZSG

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/ees-2f-319-xlc.html
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Tools	
Positionner	DCE.91.070.BVC
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.19.T22.079QGZE	TPR (medical)	Grey	

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