



Image for illustrative purpose only

Summary

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[f series](#)

[Application leaflet Security Defence](#)

Number of contacts Low Voltage	19
Wire Size/AWG	26 - 22
Gender	Standard
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	FGP.2F.319.XLC
Series	F - Rugged Push-Pull

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/egp-2f-319-xlm.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	19
Contact Termination Low voltage	Crimp
R (max)	6.1 mOhm
Insert configuration value	2F.319 - 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Vtest (contact-contact)	1550 V (AC), 2200 V (DC)
Vtest (contact-shell)	1650 V (AC), 2350 V (DC)
Contact retention	22 N
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	26 - 22
Gender	Standard

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=150, gamma=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	7.7 g
Panel Drill Hole	M15

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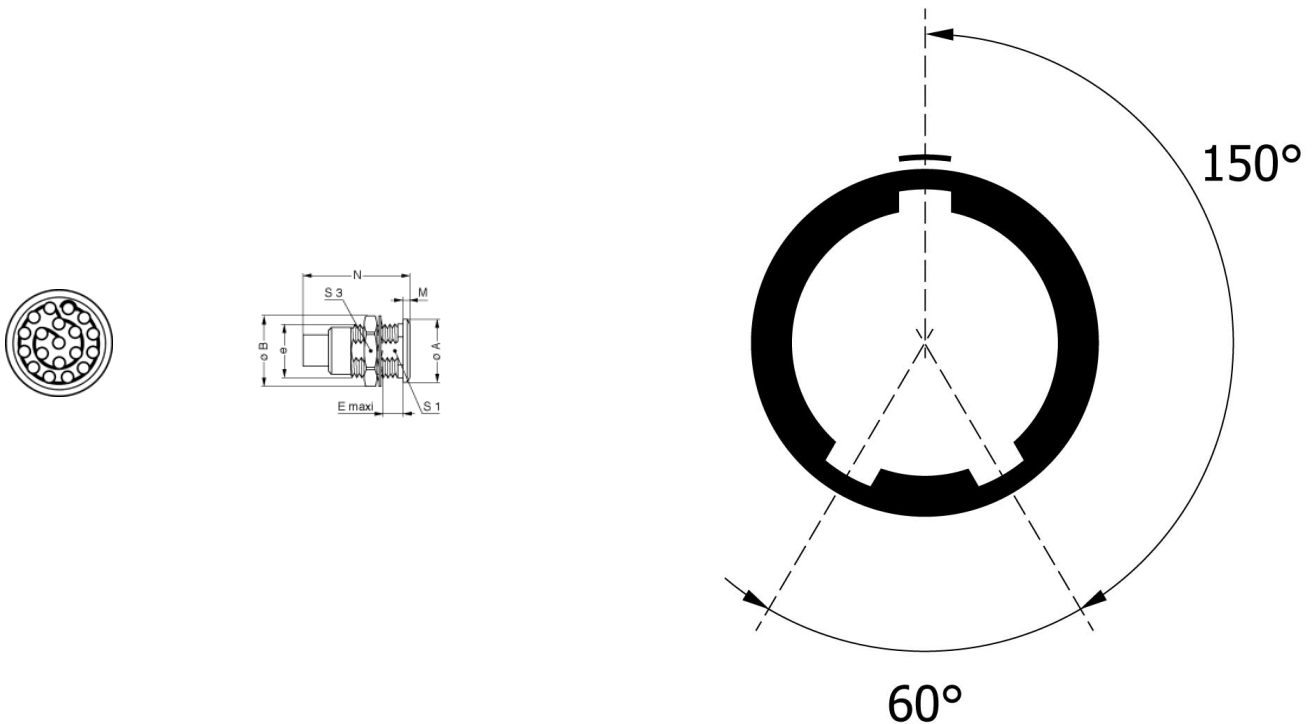
Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP50
Endurance	1000 mating cycles
Temperature range	-15°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
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Drawings



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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 [EGG.0B.655.ZZM](#)

Caps

Compatible cap [BRE.2F.200.XAV](#)

Plastic Cap [BRA.2F.200.PZSG](#)

Tools

Positionner [DCE.91.070.BVM](#)

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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