EHP.2F.319.XLP

Special



Image for illustrative purpose only

Summary

Request a quote

f series

Application leaflet Security Defence

Number of contacts Low Voltage	19
Wire Size/AWG	32 - 28
Gender	Standard
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	FGP.2F.319.XLB

https://www.lemo.com/eu_en/solutions/optima/f-rugged-push-pull/ehp-2f-319-xlp.html
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Series F - Rugged Push-Pull

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Technical details

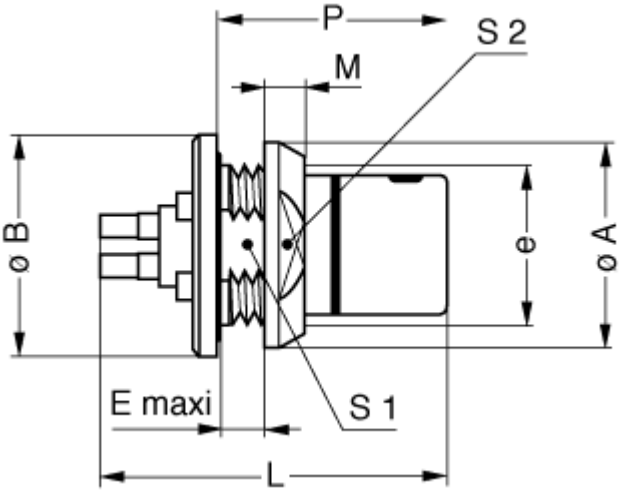
Electrical Configuration	
Number of contacts Low Voltage	19
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	2F.319 - 19 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.7 kV DC
Test voltage contact-shell	1.4 kV DC
Contact retention	22 N
Max. Conductor	0.09 mm² (AWG 28)
Min. Conductor	0.035 mm² (AWG 32)
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	32 - 28
Gender	Standard

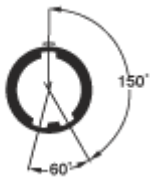
Form & Material	
Shell style / Model id	EH - Fixed receptacle, nut fixing (back panel mounting, printed circuit mounting possible)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	10.82 g
Panel Drill Hole	M16

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Environment	
Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
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

Drawings





Dimensions

	E	A	B	e	S2	N	M	P	S1
mm.	3	20	20	M16x1.0	17	19	4	14.5	14.5
in.	0.12	0.79	0.79		0.67	0.75	0.16	0.57	0.57

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Recommended By Lemo

Contacts	
Replacement contact	EGG.0B.656.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
Insertion tool	DCV.07.05M.LA
Crimp tool	DPC.91.701.V

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