FGP.2F.319.XLB

Special



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Summary

Request a quote

f series

Application leaflet Security Defence

Number of contacts Low Voltage	19
Wire Size/AWG	32 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 14.00 mm
Size	2F
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

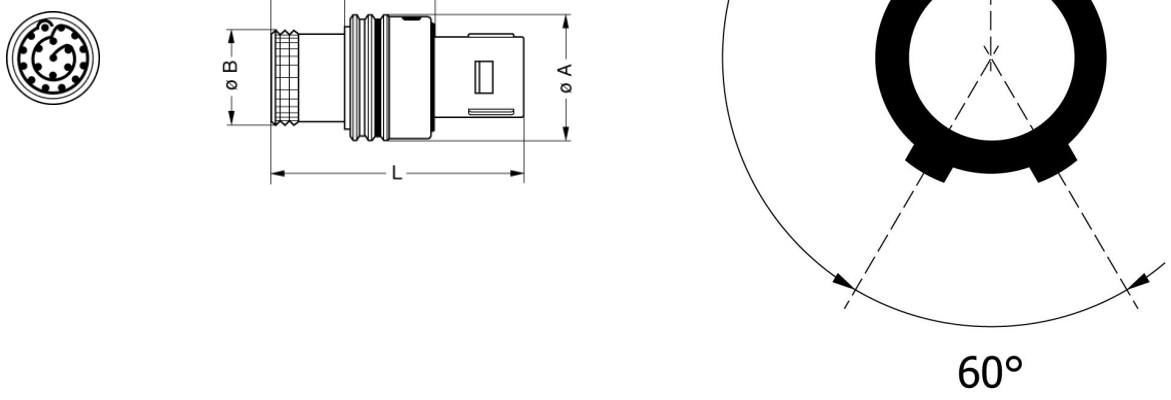
Form & Material	
Shell style / Model id	FG - Straight plug
Plug	Straight
Housing material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Locking system	Push-pull
Keying	3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	11.65 g

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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	
Cable termination protection	Heatshrink
Fixation type	Heatshrink
Jacket cable outside diameter [mm]	5.30 - 14.00 mm

Drawings



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Dimensions

	M	A	B	L	X
mm.	17.9	17	14	27.8	8
in.	0.7	0.67	0.55	1.09	0.31

Recommended By Lemo

Contacts	
Replacement contact	FGG.0B.556.ZZC
Caps	
Compatible cap	BFG.2F.100.XAZ
Tools	
Positionner	DCE.91.070.BVC
Extraction tool	DCF.93.070.4LT
Crimp tool	DPC.91.701.V

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