PBS.2F.312.XLC

Special



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Summary

Request a quote

f series

LEMO Brochure Industry Defence Security

Number of contacts Low Voltage	12
Wire Size/AWG	26 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 14.00 mm
Size	2F
Suggested matching part	FGS.2F.312.XLM
Series	F - Rugged Push-Pull

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Technical details

Electrical Configuration	
Number of contacts Low Voltage	12
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	6.1 mOhm
Insert configuration value	2F.312 - 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage contact-contact	1.7 kV DC
Test voltage contact-shell	1.6 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	PB - Straight receptacle with flange, 2 holes 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	5 g

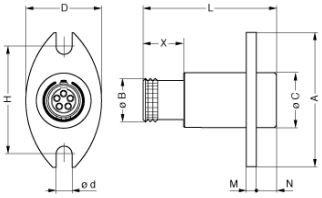
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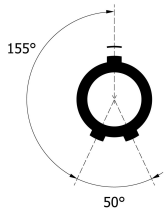
Environment	
Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	1000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	15/200/21 (Aluminium shell)
Humidity (max)	<=95% [at 60 deg C /140 F]
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	max. 48 hr

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

Drawings







Dimensions

	D	B	C	d	A	H	L	M	N	X
mm.	18	14	16	3.2	31	25.9	26.7	2	4	8
in.	0.71	0.55	0.63	0.13	1.22	1.02	1.05	0.08	0.16	0.31

Recommended By Lemo

Contacts	
Replacement contact	FGG.0B.555.ZZC

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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.12.T22.070QGZE	TPR (medical)	Grey	
CMN.12.T28.054PGZE		grey	
CMN.12.T28.054PNZE			
112240	PTFE	White	
112260	PTFE	White	
112280	PVC	Black	
124080	PVC	Grey	
124084	PVC	Black	
212220	PVC	Black	
212240	PVC	Black	
212250	PVC	Grey	
212260	PVC	Black	

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