FGN.1F.303.XLC





Image for illustrative purpose only

Summary

Request a quote

Catalog

See video assembly instructions

•	
Number of contacts Low Voltage	3
Wire Size/AWG	20 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.80 - 10.70 mm
Size	1F
Suggested matching part	EGN.1F.303.XLM
Series	F - Rugged Push-Pull

Technical details

Electrical Configuration

•	
Number of contacts Low Voltage	3
Contact Termination Low voltage	Crimp
R (max)	3.6 mOhm
Insert configuration value	1F.303 - 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	12 A
Vtest (contact-contact)	1600 V (AC), 2250 V (DC)
Vtest (contact-shell)	1850 V (AC), 2600 V (DC)
Contact retention	40 N
Max. Conductor	1 mm^2 (AWG 18)
Min. Conductor	0.5 mm^2 (AWG 20)
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	1.3 mm (0.051in)
Wire Size/AWG	20 - 18
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=165, gamma=30, plug: male contacts receptacle: female contacts)
Colour	Grey
Weight	8.61 g

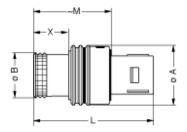
Environment

Technical domain	Motorsport, Security and Defence
Environmental sealing (IP rating)	IP67
Endurance	1000 mating cycles
Temperature range	-15°C / \pm 200°C (max. temperature valid for short periods of use.)
Climatical 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

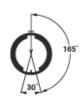
Drawings



Jacket cable outside diameter [mm]



3.80 - 10.70 mm



Dimensions

	M	Α	В	L	X
mm.	17.9	14	10.7	27.8	8
in.	0.7	0.55	0.42	1.09	0.31

Recommended By Lemo

Accessories

Replacement contact	FGN.1F.565.ZZC
Compatible cap	BFG.1F.100.XAZ
Tools	
Positionner	DCE.91.131.FVC
Extraction tool	DCF.93.131.4LT
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.03.T18.055PGZE		grey	=
CMN.03.T18.055PNZE)
CMN.03.T18.055QGZE	TPR (medical)	Grey	→
CMN.03.T20.049PGZE		grey	→
CMN.03.T20.049PNZE			=====
130240	PVC	Black	
130250	PVC	Grey	> =
230500	PVC	Grey	> =
230750	PVC	Grey	>======
30110	PVC	Grey	
30260	PVC	Black	
3220	PVC	Black	
3280	PVC	Black	
60080	PVC	Grey	