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Summary

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Number of contacts Low Voltage	50
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	7.10 - 30.20 mm
Size	5F
Suggested matching part	EHX.5F.350.XLC
Series	F - Rugged Push-Pull

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgx-5f-350-xlm.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	50
Contact Termination Low voltage	Crimp
Insert configuration value	5F.350 - 50 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Vtest (contact-contact)	1200 V (AC), 1700 V (DC)
Vtest (contact-shell)	1450 V (AC), 2050 V (DC)
Gender	Reverse Gender

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	5 keys (alpha=100, beta=125, gamma=40, delta=20, plug: female contacts, receptacle: male contacts)
Colour	Grey
Weight	69.49 g

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.)
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

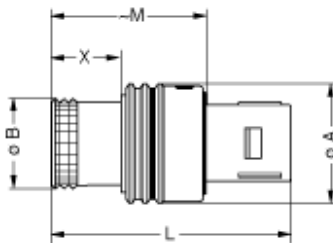
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Cable fixation

Cable termination protection	Heatshrink
Fixation type	Heatshrink
Jacket cable outside diameter [mm]	7.10 - 30.20 mm

Drawings



Dimensions

	A	B	L	M	X
mm.	36.1	30.2	36.7	20.4	8
in.	1.42	1.19	1.44	0.8	0.31

Recommended By Lemo

Tools

Positionner	DCE.91.093.BVM
Extraction tool	DCC.09.05B.LAG
Crimp tool	DPC.91.701.V

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