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Summary

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Number of contacts Low Voltage	10
Nb of contacts Coax	1
Wire Size/AWG	30 - 22
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.70 - 7.50 mm
Size	3P
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/fgg-3p-809-xlwd75b.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
Nb of contacts Coax	1
Contact Termination Coax - Conductor fixing	Crimp
R (max)	5.8 mOhm
Insert configuration value	3P.809 - 1 Coax (50 Ohm) + 9 Low Voltage + 1 Ground contact
Footprint IPC Class3 compatibility	No
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4 A
Impedance	50 Ohms
Test voltage contact-contact	1.6 kV DC
Air clearance	0.9 mm
Creepage distance	0.9 mm
Contact Dia.	0.7 mm (0.03in)
Wire Size/AWG	30 - 22

Form & Material

Shell style / Model id	FG - Straight plug with key and cable seal
Plug	Straight
Housing material	PSU (Polysulfone), white
Locking system	Push-pull
Keying	User configurable, 1 of 11 key positions. Plug: male contacts, Receptacle: female contacts
Colour	White
Variant	White front ring
Weight	22.14 g

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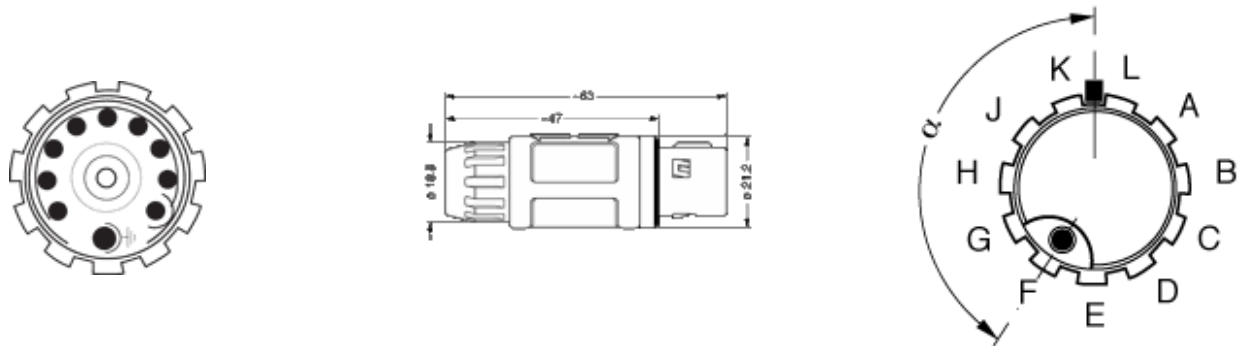
Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP61
Endurance	>3000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	200 N
F ret (min)	100 N
Steam sterilization	Compiles with ISO 17665:2024 sterilization standard for autoclave, ISO 11135:2014 for EtO, and ISO 11137-1, -2, -3 standards for gamma, e-beam x-ray. For more details on sterilization methods and cycles, please contact us.

Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.70 - 7.50 mm

Drawings



Dimensions

	A	L
mm.	21.2	63
in.	0.83	2.48

Recommended By Lemo

Accessories

Replacement contact

[EGG.3P.661.ZZY](#)

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