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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
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 20.00 mm
Size	3P
Suggested matching part	FGG.3P.809.PLWD951 FGG.3P.809.PLWD852
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/egg-3p-809-plw2.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
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	EG - Fixed receptacle, nut fixing with key
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	User configurable, 1 of 11 key positions. Plug: male contacts, Receptacle: female contacts
Colour	Grey
Weight	16.27 g

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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.

Jacket cable outside diameter [mm]	1.00 - 20.00 mm
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[illegible]

	A	N	a
mm.	26.7	27	4.7
in.	1.05	1.06	0.19

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