

Standard



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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	3.20 - 5.20 mm
Size	2P
Suggested matching part	CKB.M12.GLLG
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/cab-m12-gla-c52g.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
Insert configuration value	2P.M12 - 12 Low V.
Insulator	L: PEEK for solder contacts
Rated current	7 A
Test voltage contact-contact	1.77 (kV DC)
Air clearance	0.85 mm
Creepage distance	0.85 mm
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	CA - Straight plug with cable collet
Plug	Straight
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	B: 3 keys (alpha=0, gamma=60, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Weight	8.12 g

Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	>1000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	250 N
F ret (min)	150 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.

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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	3.20 - 5.20 mm

Cables

Cable PartNumber	Material	Colour	Cable image
12050	PVC	Black	

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