



Image for illustrative purpose only

Summary

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[P series catalog](#)

Number of contacts Low Voltage	6
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Elbow
Locking system	Push-pull
Size	1P
Suggested matching part	PAC.M0.6GL.AC39G
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/ppc-m0-6gg-n.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	PCB - Straight
R (max)	6.5 mOhm
Insert configuration value	1P.M06 - 6 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	G: PSU gray
Rated current	6 A
Test voltage contact-contact	1.48 (kV DC)
Air clearance	0.85 mm
Creepage distance	0.85 mm
Contact Dia.	0.7 mm (0.0275in)
Gender	Standard

Form & Material

Shell style / Model id	PP - Elbow receptacle key (G) or keys (A,B,C) for printed circuit
Socket / Receptacle	Elbow
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	C: 2 keys (alpha=80, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Weight	5.52 g

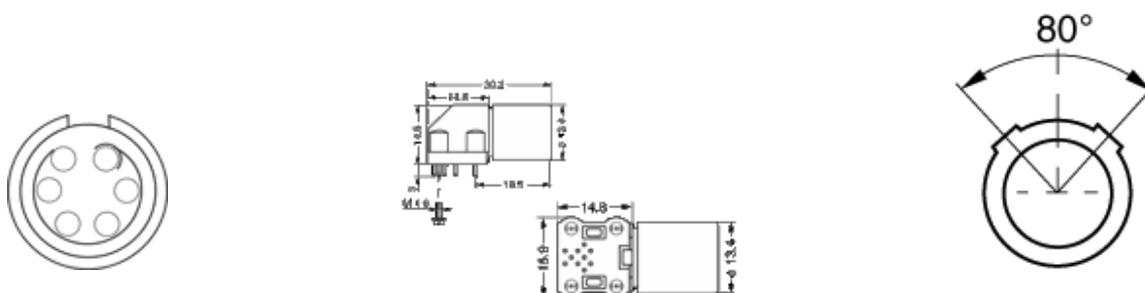
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Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	> 5000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	150 N
F ret (min)	50 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.

Drawings



Dimensions

	A	B	L	M	H
mm.	13.4	15.9	30.2	14.8	17.5
in.	0.53	0.63	1.19	0.58	0.69

Recommended By Lemo

Accessories

Compatible cap

[PBG.200.BMV](#)

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CAD

Documents

PCB	Download
PCB Eagle	Download
Kicad	Download
PCB Altium	Download

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