



*Image for illustrative purpose only*

## Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	7
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1P
Suggested matching part	<a href="#">PAC.M0.7GL.AC39G</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pkc-m0-7gl-ng.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkc-m0-7gl-ng.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	PCB - Straight
R (max)	6.5 mOhm
Insert configuration value	1P.M07 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 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	PK - Fixed receptacle with two nuts (back panel mounting), straight print contacts
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	C: 2 keys (alpha=80, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Grey front nut
Weight	4.77 g

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pkc-m0-7gl-ng.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkc-m0-7gl-ng.html)

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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	Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. For more details on sterilization methods and cycles, please contact us.

## Recommended By Lemo

### Accessories

Compatible cap	<a href="#">PBG.200.BMV</a>
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### Tools

Spanner	<a href="#">POB.186.GN</a>
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## CAD

### Documents

PCB	<a href="#">Download</a>
PCB Eagle	<a href="#">Download</a>
Kicad	<a href="#">Download</a>
PCB Altium	<a href="#">Download</a>

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