



*Image for illustrative purpose only*

## Summary

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[Customer Drawing](#)

Number of contacts Low Voltage	5
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1P
Suggested matching part	<a href="#">PAA.M0.5NL.AC39N</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pka-m0-5nl-nn.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pka-m0-5nl-nn.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Straight
R (max)	4.5 mOhm
Insert configuration value	1P.M05 - 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage contact-contact	1.48 (kV DC)
Air clearance	0.8 mm
Creepage distance	0.8 mm
Contact Dia.	0.9 mm (0.0354in)
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), black
Locking system	Push-pull
Keying	A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Black
Variant	Black front nut
Weight	4.91 g

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pka-m0-5nl-nn.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pka-m0-5nl-nn.html)

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## Environment

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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.

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## Recommended By Lemo

### Accessories

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Compatible cap [PBG.200.BMV](#)

### Tools

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Spanner [POB.186.GN](#)

## CAD

### Documents

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PCB [Download](#)

PCB Eagle [Download](#)

Kicad [Download](#)

PCB Altium [Download](#)

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