



*Image for illustrative purpose only*

## Summary

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[P series catalog](#)

Number of contacts Low Voltage	2
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1P
Series	REDEL P - Push-Pull

# Technical details

## Electrical Configuration

Number of contacts Low Voltage	2
Contact Termination Low voltage	PCB - Elbow
R (max)	3.5 mOhm
Insert configuration value	1P.M02 - 2 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	10 A
Test voltage contact-contact	1.7 (kV DC)
Air clearance	1.3 mm
Creepage distance	1.3 mm
Contact Dia.	1.3 mm (0.0512in)
Gender	Standard

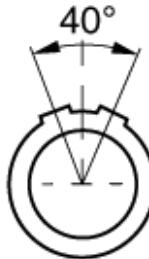
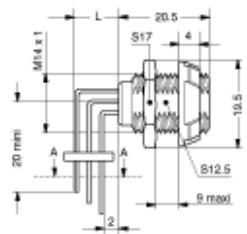
## Form & Material

Shell style / Model id	PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	PEI (Polyetherimide), grey
Locking system	Push-pull
Keying	A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Grey - Black
Variant	Black front nut
Weight	4.94 g

## 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 / +170°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	L	N
mm.	19.5	5.2-12.9	20.5
in.	0.77		0.81

## Recommended By Lemo

### Accessories

Compatible cap	PBG.200.BMV
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### Tools

Spanner	POB.186.GN
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[https://www.lemo.com/int\\_en/solutions/redele/redele-p-push-pull/pka-m0-2sl-vn.html](https://www.lemo.com/int_en/solutions/redele/redele-p-push-pull/pka-m0-2sl-vn.html)

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# CAD

## Documents

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

[https://www.lemo.com/int\\_en/solutions/redeI/redeI-p-push-pull/pka-m0-2sl-vn.html](https://www.lemo.com/int_en/solutions/redeI/redeI-p-push-pull/pka-m0-2sl-vn.html)

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