



*Image for illustrative purpose only*

## Summary

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Number of contacts High Voltage	3
Gender	Reverse Gender
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 5.20 mm
Size	1P
Suggested matching part	<a href="#">PKH.N0.3GL.AG</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pah-n0-3gl-lc52g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pah-n0-3gl-lc52g.html)

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# Technical details

## Electrical Configuration

Number of contacts High Voltage	3
Contact Termination High voltage	Solder
R (max)	4.5 mOhm
Insert configuration value	1P.N03 - 3 High Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	9 A
Test voltage contact-contact	4.81 (kV DC)
Max. Solid Conductor	1 mm <sup>2</sup> (AWG 18)
Max. Stranded Conductor	1 mm <sup>2</sup> (AWG 18)
Air clearance	2.00 mm
Creepage distance	2.00 mm
Cable type	H07 RN-F
Bucket Dia.	1.4 mm (0.055in)
Contact Dia.	0.9 mm (0.04in)
Gender	Reverse Gender

## Form & Material

Shell style / Model id	PA - Straight plug with cable collet
Plug	Straight
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	H: 2 keys (beta=170, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Grey collet nut
Weight	5.16 g

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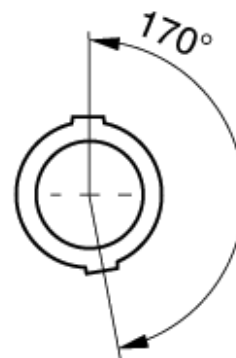
## Environment

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	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.

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	4.00 - 5.20 mm

## Drawings



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