



## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Suggested matching part	<a href="#">PLA.M0.6GL.LG</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/paa-m0-6gl-ac39g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m0-6gl-ac39g.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	6.5 mOhm
Insert configuration value	1P.M06 - 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	6 A
Test voltage (kV rms) Contact-contact	1.05
Contact Type	Solder
Max. Solid Conductor	0.25 mm <sup>2</sup> (AWG 24)
Max. Stranded Conductor	0.14 mm <sup>2</sup> (AWG 26)
Air clearance	0.85 mm
Creepage distance	0.85 mm
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.0275in)
Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24
Gender	Standard

## Form & Material

Shell style / Model id	PA - Straight plug with cable collet
Plug	Straight
Housing material	PSU (Polysulfone), gray
Locking system	Push-pull
Keying	2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Gray
Variant	Gray collet nut
Weight	5.04 g

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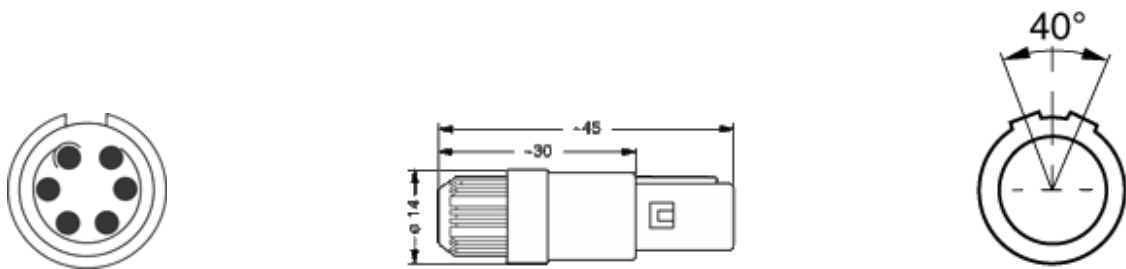
## Environment

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	> 100 times (with potting on rear connection)

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.70 - 3.90 mm

## Drawings



## Recommended By Lemo






### Accessories

### Tools

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/paa-m0-6gl-ac39g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m0-6gl-ac39g.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			

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