



*Image for illustrative purpose only*

## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	32 - 24
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 5.20 mm
Size	1P
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/prb-m0-6gl-lc52g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/prb-m0-6gl-lc52g.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	6
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 contact-contact	1.48 (kV DC)
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)
Wire Size/AWG	32 - 24
Gender	Standard

## Form & Material

Shell style / Model id	PR - Free receptacle with cable collet
Socket / Receptacle	Free
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	B: 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut

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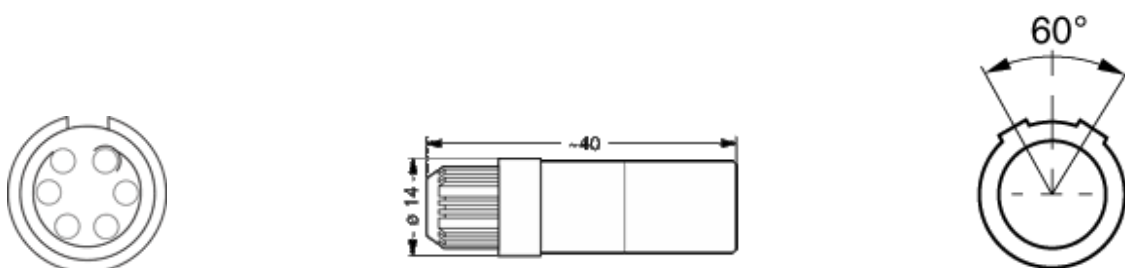
## Environment

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










## Dimensions

	A	L
mm.	14	40
in.	0.55	1.57

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
106240	PTFE	White	
160140	PVC	Grey	
160260	PVC	Black	
60260	PTFE	White	
6280	PVC	Black	

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