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Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	1P
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pram05gl-lc65r.html

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Technical details

Electrical Configuration

Contact Termination Low voltage	Solder
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 (kV rms) Contact-contact	1.05
Contact Type	Solder
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Air clearance	0.8 mm
Creepage distance	0.8 mm
Bucket Dia.	0.8 mm (0.031in)
Contact Dia.	0.9 mm (0.0354in)
Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	PR - Free receptacle with cable collet
Socket / Receptacle	Free
Housing material	PSU (Polysulfone), gray
Locking system	Push-pull
Keying	2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Variant	Red collet nut

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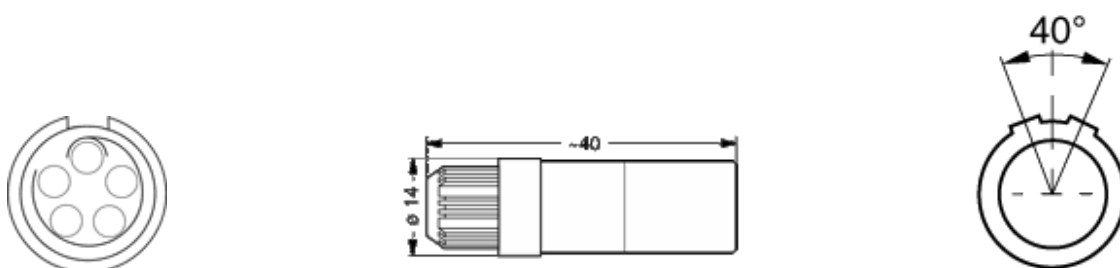
Environment

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]	5.30 - 6.50 mm

Drawings



Dimensions

	A	L
mm.	14	40
in.	0.55	1.57

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Recommended By Lemo

Accessories
Tools

Cables

Cable PartNumber	Material	Colour	Cable image
150250	PVC	Grey	