



Image for illustrative purpose only

## Summary

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Number of contacts Low Voltage	5
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Front Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 12.60 mm
Size	1P
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/plb-m0-5tl-ln.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/plb-m0-5tl-ln.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 contact-contact	1.48 (kV DC)
Contact Type	Solder
Max. Solid Conductor	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (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	PL - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PEI (Polyetherimide), black
Locking system	Push-pull
Keying	B: 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts)
Colour	Black
Variant	Black front nut
Weight	4.84 g

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## Environment

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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	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.

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## Cable fixation

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Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	1.00 - 12.60 mm

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# Recommended By Lemo

## Accessories









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Compatible cap [PBG.200.BMV](#)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.05.T22.051QGZE	TPR (medical)	Grey	
CMN.05.T28.029PGCE	PVC	GREY	
CMN.05.T28.029PGZE		grey	
CMN.05.T28.029PNCE	PVC	Black	
CMN.05.T28.029PNZE			
150250	PVC	Grey	
50090	PVC	Black	
50140	PVC	Grey	
5050	PVC	Black	

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