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## Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	34 - 28
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
Suggested matching part	<a href="#">PAA.M1.0SL.AC39GZ</a>
Series	REDEL P - Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pla-m1-0sl-la.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pla-m1-0sl-la.html)

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# Technical details

## Electrical Configuration

Contact Termination Low voltage	Solder
R (max)	8.5 mOhm
Insert configuration value	1P.M10 - 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Test voltage (kV rms) Contact-contact	0.85
Contact Type	Solder
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Air clearance	0.45 mm
Creepage distance	0.45 mm
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.0201in)
Number of contacts Low Voltage	10
Wire Size/AWG	34 - 28
Gender	Standard

## Form & Material

Shell style / Model id	PL - Fixed receptacle, nut fixing
Socket / Receptacle	Fixed Panel Front Mounted
Housing material	PEI (Polyetherimide), gray
Locking system	Push-pull
Keying	A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Grey - Blue
Variant	Blue front nut
Weight	5.35 g

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pla-m1-0sl-1a.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pla-m1-0sl-1a.html)

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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 / +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.

## Cable fixation





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

# Recommended By Lemo

## Accessories

Compatible cap	<a href="#">PBG.200.BMV</a>
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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110280	PVC	Black	

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