

[Standard](#)

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Summary

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Number of contacts Low Voltage	14
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
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/plb-m1-4sl-lj.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	14
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	8.5 mOhm
Insert configuration value	1P.M14 - 14 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2 A
Test voltage contact-contact	0.85 (kV DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Air clearance	0.5 mm
Creepage distance	0.5 mm
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.5 mm (0.0197 in)
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), grey
Locking system	Push-pull
Keying	B: 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts)
Colour	Grey - Yellow
Variant	Yellow front nut
Weight	5.73 g

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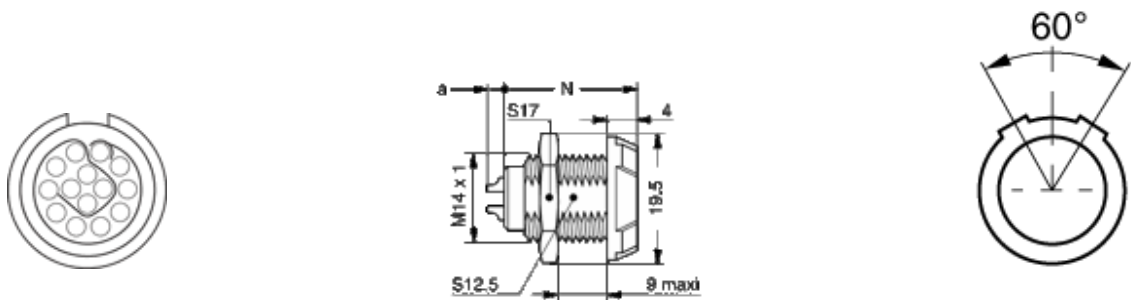
Environment

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 / +170°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	Compiles with ISO 17665:2024 sterilization standard for autoclave, ISO 11135:2014 for EtO, and ISO 11137-1, -2, -3 standards for gamma, e-beam x-ray. For more details on sterilization methods and cycles, please contact us.

Cable fixation

Jacket cable outside diameter [mm]	1.00 - 12.60 mm
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Drawings



Dimensions

	A	L	N
mm.	19.5	25	20.5
in.	0.77	0.98	0.81

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Recommended By Lemo

Caps	
Compatible cap	PBG.200.BMV
Cap 2	PBG.201.BMV

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.14.T28.056PGZE		grey	
CMN.14.T28.056PNZE			
CMN.14.T28.056QGZE	TPR (medical)	Grey	

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