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Summary

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Number of contacts Low Voltage	12
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	1P
Suggested matching part	PLA.M1.2SL.LG
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m1-2sl-ac65gz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
R (max)	8.5 mOhm
Insert configuration value	1P.M12 - 12 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Test voltage contact-contact	0.75 (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 (0.018in)
Contact Dia.	0.5 mm (0.0201in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	PA - Straight plug with cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	PEI (Polyetherimide), grey
Locking system	Push-pull
Keying	A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut for bend relief

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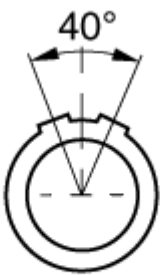
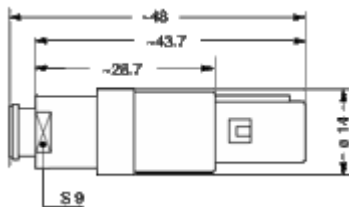
Environment

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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.50 mm

Drawings



Cables

Cable PartNumber	Material	Colour	Cable image
CMN.12.T28.054PGZE		grey	
CMN.12.T28.054PNZE			
112280	PVC	Black	

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