



Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.70 - 2.00 mm
Size	1P
Matching parts	PLA.M1.0GL.LG
Series	REDEL P - Push-Pull

Technical details

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m1-0gl-ac20g.html

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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 Amps
Test voltage (kV rms) Contact-contact	0.85
Contact Type	Solder
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Air clearance	0.55 mm
Creepage distance	0.55 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	PA - Straight plug with cable collet
Plug	Straight
Housing material	PSU (Polysulfone), gray
Locking system	Push-pull
Keying	2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Variant	Gray collet nut

Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	>2000 mating cycles
Temperature range	-50°C / +150°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	> 100 times (with potting on rear connection)

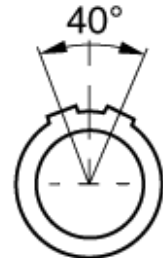
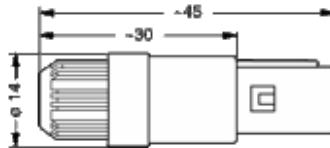
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	1.70 - 2.00 mm

Drawings



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