

Standard



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Summary

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Number of contacts Low Voltage	14
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Suggested matching part	PLA.M1.4GL.LG
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m1-4gl-ac39gz.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	PA - Straight plug with cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	PSU (Polysulfone), 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
Weight	5.1 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 / +150°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

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.70 - 3.90 mm

Recommended By Lemo

Bend Reliefs

GMA.1B.025.RG	GMA.1B.030.RG	GMA.1B.035.RG
GMA.1B.025.RA	GMA.1B.030.RA	GMA.1B.035.RA
GMA.1B.025.RB	GMA.1B.030.RB	GMA.1B.035.RB
GMA.1B.025.RJ	GMA.1B.030.RJ	GMA.1B.035.RJ
GMA.1B.025.RM	GMA.1B.030.RM	GMA.1B.035.RM
GMA.1B.025.RN	GMA.1B.030.RN	GMA.1B.035.RN
GMA.1B.025.RR	GMA.1B.030.RR	GMA.1B.035.RR
GMA.1B.025.RS	GMA.1B.030.RS	GMA.1B.035.RS
GMA.1B.025.RV	GMA.1B.030.RV	GMA.1B.035.RV

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