

Standard



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Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	32 - 24
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Suggested matching part	PAH.M0.8GL.LC39GZ
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/prh-m0-8gl-ac39gz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	8
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.5 mOhm
Insert configuration value	1P.M08 - 8 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.48 (kV DC)
Max. Solid Conductor	0.25 mm ² (AWG 24)
Max. Stranded Conductor	0.14 mm ² (AWG 26)
Air clearance	0.6 mm
Creepage distance	0.6 mm
Bucket Dia.	0.6 mm (0.024 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	32 - 24
Gender	Reverse Gender

Form & Material

Shell style / Model id	PR - Free receptacle with cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
Housing material	PSU (Polysulfone), grey
Locking system	Push-pull
Keying	H: 2 keys (beta=170, plug: female contacts, receptacle: male contacts)
Colour	Grey
Variant	Grey collet nut for bend relief
Weight	4.56 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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Cables

Cable PartNumber	Material	Colour	Cable image
8050	PVC	Black	