

Standard



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Summary

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Number of contacts Low Voltage	8
Wire Size/AWG	32 - 24
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	1P
Suggested matching part	PAA.M0.8GL.AC65GZ
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pr-m0-8gl-lc65gz.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	Standard

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	A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut for bend relief
Weight	4.62 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]	5.30 - 6.50 mm

Recommended By Lemo

Bend Reliefs

GMA.1B.051.RG	GMA.1B.057.RG	GMA.1B.051.RA
GMA.1B.057.RA	GMA.1B.051.RB	GMA.1B.057.RB
GMA.1B.051.RJ	GMA.1B.057.RJ	GMA.1B.051.RM
GMA.1B.057.RM	GMA.1B.051.RN	GMA.1B.057.RN
GMA.1B.051.RR	GMA.1B.057.RR	GMA.1B.051.RS
GMA.1B.057.RS	GMA.1B.051.RV	GMA.1B.057.RV

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Cables

Cable PartNumber	Material	Colour	Cable image
16080	PVC	Grey	
180260	PVC	Black	
280250	PVC	Grey	
335990	PVC	Black	
335991	PVC	Black	
42265	PVC	Yellow	
80140	PVC	Grey	

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