

[Standard](#)

Image for illustrative purpose only

Summary

[Request a quote](#)[REDEL SP series en](#)[Industry Brochure Medical](#)[Customer Drawing](#)

Number of contacts Low Voltage	13
Wire Size/AWG	30 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.50 - 3.90 mm
Size	SP
Suggested matching part	SRN.M13.GLL.3G
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m13-gla-3gz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	13
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	6.5 mOhm
Insert configuration value	SP.M13 - 13 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4 A
Test voltage contact-contact	1.5 (kV DC)
Max. Solid Conductor	0.34 mm ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Air clearance	0.5 mm
Creepage distance	0.5 mm
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	SA/Z - Straight plug, key (N) or keys (P, S and T), with cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Proprietary sulfone, grey
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut for bend relief
Weight	6.66 g

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Environment

Technical domain	Medical
Environmental sealing (IP rating)	IP50
Endurance	>5000 mating cycles
Temperature range	-50°C / +170°C
Steam sterilization	> 100 times

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.50 - 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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