

Special



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Summary

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[REDEL SP series en](#)

[Industry Brochure Medical](#)

[Customer Drawing](#)

Number of contacts Low Voltage	13
Wire Size/AWG	26 - 22
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	SP
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m13-nlc-6rz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	13
Contact Termination Low voltage	Crimp
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	1.8 (kV DC)
Max. Conductor	0.34 mm ² (AWG 22)
Min. Conductor	0.14 mm ² (AWG 26)
Air clearance	0.9 mm
Creepage distance	0.9 mm
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.7 mm (0.028 in)
Wire Size/AWG	26 - 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, black
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Black - Red
Variant	Red collet nut
Weight	7.78 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]	5.30 - 6.50 mm

Recommended By Lemo

Contacts

Replacement contact	SAN.520.ZZC
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Bend Reliefs

GMA.1B.051.RG	GMA.1B.057.RG	GMA.1B.063.RG
GMA.1B.051.RA	GMA.1B.057.RA	GMA.1B.063.RA
GMA.1B.051.RB	GMA.1B.057.RB	GMA.1B.063.RB
GMA.1B.051.RJ	GMA.1B.057.RJ	GMA.1B.063.RJ
GMA.1B.051.RM	GMA.1B.057.RM	GMA.1B.063.RM
GMA.1B.051.RN	GMA.1B.057.RN	GMA.1B.063.RN
GMA.1B.051.RR	GMA.1B.057.RR	GMA.1B.063.RR
GMA.1B.051.RS	GMA.1B.057.RS	GMA.1B.063.RS
GMA.1B.051.RV	GMA.1B.057.RV	GMA.1B.063.RV

Tools

Positionner	SOE.070.VC
Crimp tool	DPC.91.701.V

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