

Standard



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Summary

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[REDEL SP series en](#)

[Industry Brochure Medical](#)

[Customer Drawing](#)

Number of contacts Low Voltage	4
Wire Size/AWG	22 - 18
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	SP
Suggested matching part	SLN.M04.GLLG
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m04-glc-6gz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Crimp
R (max) - electrical contact resistance	2.8 mOhm
Insert configuration value	SP.M04 - 4 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	11.5 A
Test voltage contact-contact	2.54 (kV DC)
Max. Conductor	1 mm ² (AWG 18)
Min. Conductor	0.34 mm ² (AWG 22)
Air clearance	1.35 mm
Creepage distance	1.35 mm
Bucket Dia.	1.4 mm (0.055 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	22 - 18
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	7.45 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

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.130.VC
Crimp tool	DPC.91.701.V

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T20.053PGZE		grey	
CMN.04.T20.053PNZE			
CMN.04.T20.053QGZE	TPR (medical)	Grey	
240500	PVC	Grey	
417920	PVC	Grey	
4220	PVC	Black	
CTR.75.030.121870G	PVC	Grey	

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