

Standard



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Summary

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[REDEL SP series en](#)

[Industry Brochure Medical](#)

[Customer Drawing](#)

Number of contacts Low Voltage	18
Wire Size/AWG	34 - 28
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.M18.GLLA
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m18-gla-6az.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	8.5 mOhm
Insert configuration value	SP.M18 - 18 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Test voltage contact-contact	1 (kV DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Air clearance	0.47 mm
Creepage distance	0.47 mm
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.5 mm (0.0197 in)
Wire Size/AWG	34 - 28
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 - Blue
Variant	Blue collet nut
Weight	7.8 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

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