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Summary

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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	SKN.M18.GLLG
Series	REDEL SP - Inner Push-Pull

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

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Technical details

Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	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 (0.0177in)
Contact Dia.	0.5 mm (0.0196in)
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
Variant	Grey collet nut for bend relief
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

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