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## Summary

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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]	5.30 - 6.50 mm
Size	SP
Suggested matching part	<a href="#">SRP.M13.GLL.6GZ</a>
Series	REDEL SP - Inner Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/sap-m13-gla-6gz.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/sap-m13-gla-6gz.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	13
Contact Termination Low voltage	Solder
R (max)	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 <sup>2</sup> (AWG 22)
Max. Stranded Conductor	0.34 mm <sup>2</sup> (AWG 22)
Air clearance	0.5 mm
Creepage distance	0.5 mm
Bucket Dia.	0.8 mm (0.032in)
Contact Dia.	0.7 mm (0.028in)
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=60, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut for bend relief
Weight	6.52 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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