

Standard



Image for illustrative purpose only

Summary

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[REDEL SP series en](#)

[Customer Drawing](#)

Number of contacts Low Voltage	13
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	SP
Suggested matching part	SAN.M13.GLA.6G
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/srn-m13-gll-6g.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.
Footprint IPC Class3 compatibility	No
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 ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (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	SR - Free socket, key (N) or keys (P, S and T), with grey cable collet
Socket / Receptacle	Free
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
Weight	7.28 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	Standard back nut (no additional protection)
Jacket cable outside diameter [mm]	5.30 - 6.50 mm

CAD

Documents

Eplan

[Download](#)

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