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## Summary

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Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 5.20 mm
Size	SP
Suggested matching part	<a href="#">SAN.M06.GLA.5G</a>
Series	REDEL SP - Inner Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/srn-m06-gll-5g.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/srn-m06-gll-5g.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max)	4.5 mOhm
Insert configuration value	SP.M06 - 6 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	8.5 A
Test voltage contact-contact	2.2 (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	1.2 mm
Creepage distance	1.2 mm
Bucket Dia.	0.8 mm (0.032in)
Contact Dia.	0.9 mm (0.0354in)
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	6.97 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]	4.00 - 5.20 mm

# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
106240	PTFE	White	
160140	PVC	Grey	
160260	PVC	Black	
60260	PTFE	White	
6280	PVC	Black	

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