



Image for illustrative purpose only

## Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	30 - 22
Gender	Reverse Gender
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	1.00 - 12.60 mm
Size	SP
Series	REDEL SP - Inner Push-Pull

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/sks-m10-glan.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/sks-m10-glan.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	6.5 mOhm
Insert configuration value	SP.M10 - 10 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	4.2 A
Test voltage contact-contact	1.65 (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	0.7 mm
Creepage distance	0.7 mm
Bucket Dia.	0.8 mm (0.032in)
Contact Dia.	0.7 mm (0.028in)
Wire Size/AWG	30 - 22
Gender	Reverse Gender

## Form & Material

Shell style / Model id	SK_.SP - Fixed socket, key (N) or keys (P, S and T), with two nuts (back panel mounting), black front nut
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Proprietary sulfone, grey
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=50, plug: female contacts, receptacle: male contacts)
Colour	Grey - Black
Variant	Black front nut

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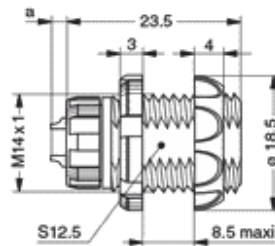
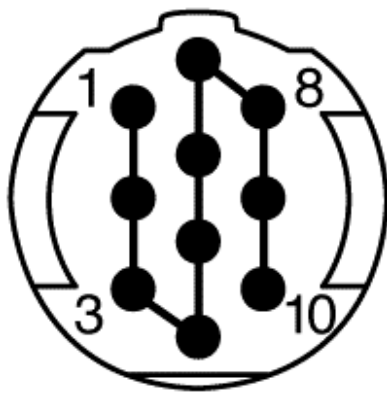
## Environment

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]	1.00 - 12.60 mm













## Drawings



[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/sks-m10-glan.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/sks-m10-glan.html)

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# Cables

Cable PartNumber	Material	Colour	Cable image
CMN.10.T22.068QGZE	TPR (medical)	Grey	
CMN.10.T28.052PGZE		grey	
CMN.10.T28.052PNZE			
CMN.10.T28.053QGZE	TPR (medical)	Grey	
110220	PVC	Black	
110240	PTFE	White	
110260	PTFE	White	
110280	PVC	Black	
210140	PVC	Grey	
210240	PVC	Black	
210250	PVC	Grey	
210260	PVC	Black	

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