

[Standard](#)

Image for illustrative purpose only

Summary

[Request a quote](#)[REDEL SP series en](#)[Industry Brochure Medical](#)

Number of contacts Low Voltage	6
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Panel Drill Hole	M14
Jacket cable outside diameter [mm]	1.00 - 12.60 mm
Size	SP
Suggested matching part	SAN.M06.NLA.6N SAN.M06.NLA.7N
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m06-nlln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	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 ² (AWG 22)
Max. Stranded Conductor	0.34 mm ² (AWG 22)
Air clearance	1.2 mm
Creepage distance	1.2 mm
Bucket Dia.	0.8 mm (0.031 in)
Contact Dia.	0.9 mm (0.035 in)
Wire Size/AWG	30 - 22
Gender	Standard

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, black
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Black front nut
Weight	3.96 g
Panel Drill Hole	M14

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m06-nlIn.html

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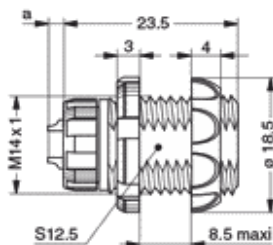
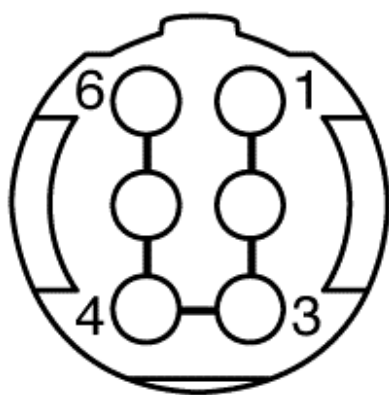
Environment

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



Dimensions

	a	B	N	e	E_{max}
mm.	2.2	18.5	23.5	M14x1	8.5
in.	0.09	0.73	0.93		0.33

Recommended By Lemo

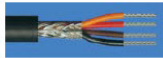
Caps

Compatible cap	SBZ.200.SN
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T26.037QGZE	TPR (medical)	Grey	
CMN.06.T28.031PGCE	PVC	GREY	
CMN.06.T28.031PGZE		grey	
CMN.06.T28.031PNCE	PVC	Black	
CMN.06.T28.031PNZE			
CMN.06.T28.042QBCE	TPR (medical)		
CMN.06.T28.044PGZE		grey	
CMN.06.T28.044PNZE			
106220	PVC	Black	
106240	PTFE	White	
12080	PVC	Grey	
160140	PVC	Grey	
160240	PVC	Black	
160260	PVC	Black	
260250	PVC	Grey	
60260	PTFE	White	
6280	PVC	Black	

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