

[Standard](#)

Image for illustrative purpose only

Summary

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

Number of contacts Low Voltage	16
Wire Size/AWG	34 - 28
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.M16.NLA.6N SAN.M16.NLA.3N
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m16-nlln.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	16
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	8.5 mOhm
Insert configuration value	SP.M16 - 16 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Test voltage contact-contact	1.05 (kV DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Air clearance	0.47 mm
Creepage distance	0.47 mm
Bucket Dia.	0.45 mm (0.018 in)
Contact Dia.	0.5 mm (0.0197 in)
Wire Size/AWG	34 - 28
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	5.12 g
Panel Drill Hole	M14

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m16-nlIn.html

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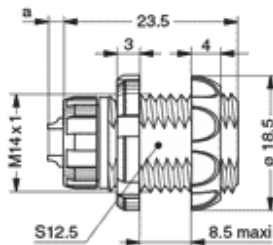
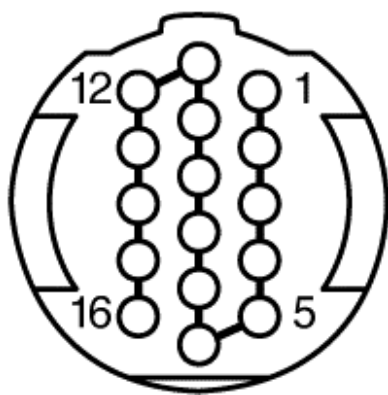
Environment

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

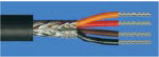
Caps

Compatible cap	SBZ.200.SN
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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T28.059PGZE		grey	
CMN.16.T28.059PNZE			
CMN.16.T28.070NNZZ			
CMN.16.T30.047QGZE	TPR (medical)	Grey	
116080	PUR	Black	
116280	PVC	Black	
16050	PVC	Black	

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m16-n11n.html

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