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## Summary

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Number of contacts Low Voltage	18
Wire Size/AWG	34 - 28
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-m18-glar.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/sks-m18-glar.html)

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# Technical details

## Electrical Configuration

Number of contacts Low Voltage	18
Contact Termination Low voltage	Solder
R (max)	8.5 mOhm
Insert configuration value	SP.M18 - 18 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	2.5 A
Test voltage contact-contact	1 (kV DC)
Max. Solid Conductor	0.09 mm <sup>2</sup> (AWG 28)
Max. Stranded Conductor	0.09 mm <sup>2</sup> (AWG 28)
Air clearance	0.47 mm
Creepage distance	0.47 mm
Bucket Dia.	0.45 mm (0.0177in)
Contact Dia.	0.5 mm (0.0196in)
Wire Size/AWG	34 - 28
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), red 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 - Red
Variant	Red front nut
Weight	5.37 g

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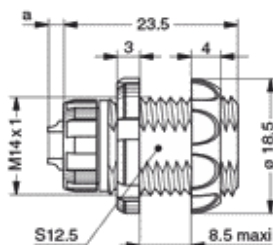
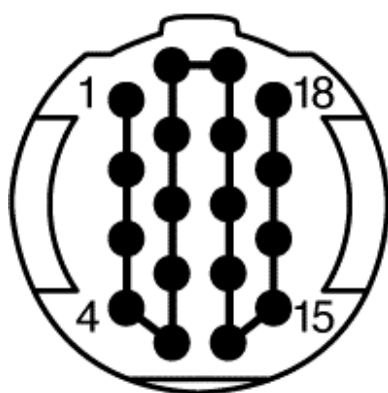
## Environment

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]	1.00 - 12.60 mm

## Drawings



## Dimensions

	<b>a</b>	<b>B</b>	<b>N</b>	<b>e</b>	<b>E<sub>max</sub></b>
mm.	2.2	18.5	23.5	M14x1	8.5
in.	0.09	0.73	0.93		0.33

## Cables

Cable PartNumber	Material	Colour	Cable image
CMN.18.T30.048QGZE	TPR (medical)	Grey	
236080	PVC	Grey	

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