

Standard



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Summary

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[REDEL SP series en](#)

[Industry Brochure Medical](#)

[Customer Drawing](#)

Number of contacts Low Voltage	16
Wire Size/AWG	34 - 28
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	6.60 - 7.50 mm
Size	SP
Suggested matching part	SKN.M16.NLLN
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m16-nla-7n.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	SA - Straight plug, key (N) or keys (P, S and T), with black cable collet
Plug	Straight
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 collet nut
Weight	7.23 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)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	6.60 - 7.50 mm

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.16.T28.070NNZZ			

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