

Special*Image for illustrative purpose only*

Summary

[Request a quote](#)[REDEL SP series en](#)[Customer Drawing](#)

Number of contacts Low Voltage	6
Wire Size/AWG	24 - 20
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	5.30 - 6.50 mm
Size	SP
Suggested matching part	SLP.M06.NLLN
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/sap-m06-nlc-6nz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	6
Contact Termination Low voltage	Crimp
R (max)	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	2.7 (kV DC)
Max. Conductor	0.5 mm ² (AWG 20)
Min. Conductor	0.25 mm ² (AWG 24)
Air clearance	1.5 mm
Creepage distance	1.5 mm
Bucket Dia.	1.1 mm (0.04in)
Contact Dia.	0.9 mm (0.0354in)
Wire Size/AWG	24 - 20
Gender	Standard

Form & Material

Shell style / Model id	SA/Z - Straight plug, key (N) or keys (P, S and T), with cable collet and nut for fitting a bend relief
Plug	Straight
Housing material	Proprietary sulfone, black
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=60, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Black collet nut for bend relief
Weight	7.61 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	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	5.30 - 6.50 mm

Recommended By Lemo




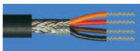


Accessories

Replacement contact	SAN.535.ZZC
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Tools

Positionner	SOE.090.VC
Crimp tool	DPC.91.701.V

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.06.T20.062PGZE		grey	
CMN.06.T20.062PNZE			
CMN.06.T20.062QGZE	TPR (medical)	Grey	
106220	PVC	Black	
12080	PVC	Grey	
160240	PVC	Black	
260250	PVC	Grey	

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