

[Standard](#)

Image for illustrative purpose only

Summary

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

Number of contacts Low Voltage	4
Wire Size/AWG	28 - 20
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	4.00 - 5.20 mm
Size	SP
Suggested matching part	SAN.M04.GLA.5G
Series	REDEL SP - Inner Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/srn-m04-gll-5gz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	4
Contact Termination Low voltage	Solder
R (max) - electrical contact resistance	2.8 mOhm
Insert configuration value	SP.M04 - 4 Low V.
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	11.5 A
Test voltage contact-contact	2.26 (kV DC)
Max. Solid Conductor	0.50 mm ² (AWG 20)
Max. Stranded Conductor	0.50 mm ² (AWG 20)
Air clearance	0.95 mm
Creepage distance	0.95 mm
Bucket Dia.	1.1 mm (0.043 in)
Contact Dia.	1.3 mm (0.051 in)
Wire Size/AWG	28 - 20
Gender	Standard

Form & Material

Shell style / Model id	SR/Z - Free socket, key (N) or keys (P, S and T), with cable collet and nut for fitting a bend relief
Socket / Receptacle	Free
Housing material	Proprietary sulfone, grey
Locking system	Push-pull
Keying	3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts)
Colour	Grey
Variant	Grey collet nut for bend relief
Weight	7.01 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]	4.00 - 5.20 mm

Recommended By Lemo

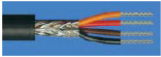
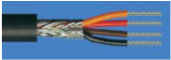
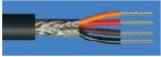
Bend Reliefs

GMA.1B.040.RG	GMA.1B.045.RG	GMA.1B.040.RA
GMA.1B.045.RA	GMA.1B.040.RB	GMA.1B.045.RB
GMA.1B.040.RJ	GMA.1B.045.RJ	GMA.1B.040.RM
GMA.1B.045.RM	GMA.1B.040.RN	GMA.1B.045.RN
GMA.1B.040.RR	GMA.1B.045.RR	GMA.1B.040.RS
GMA.1B.045.RS	GMA.1B.040.RV	GMA.1B.045.RV

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Cables

Cable PartNumber	Material	Colour	Cable image
CMN.04.T22.047QGC	TPR	Grey	
CMN.04.T22.048QGZE	TPR (medical)	Grey	
140240	PVC	Black	
140250	PVC	Grey	
40140	PVC	Black	
40260	PVC	Black	
4080	PVC	Grey	
4221	PVC	Black	
4280	PVC	Black	
80080	PVC	Grey	
80082	PVC	Red	
80084	PVC	Black	

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