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Summary

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Number of contacts Low Voltage	7
Wire Size/AWG	32 - 24
Gender	Standard
Plug	Plug - Straight
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.70 - 3.90 mm
Size	1P
Suggested matching part	PNC.M0.7SL.LJ
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pfc-m0-7sl-ac39jz.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	7
Contact Termination Low voltage	Solder
R (max)	6.5 mOhm
Insert configuration value	1P.M07 - 7 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	5 A
Test voltage contact-contact	1.48 (kV DC)
Max. Solid Conductor	0.25 mm ² (AWG 24)
Max. Stranded Conductor	0.14 mm ² (AWG 26)
Air clearance	0.85 mm
Creepage distance	0.85 mm
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.0275in)
Wire Size/AWG	32 - 24
Gender	Standard

Form & Material

Shell style / Model id	PF - Straight plug with cable collet and nut for fitting a bend relief, watertight
Plug	Straight
Housing material	PEI (Polyetherimide), grey
Locking system	Push-pull
Keying	C: 2 keys (alpha=80, Plug: male contacts, Receptacle: female contacts)
Colour	Grey - Yellow
Variant	Yellow collet nut for bend relief
Weight	4.75 g

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Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP64
Endurance	> 5000 mating cycles
Temperature range	-50°C / +170°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. For more details on sterilization methods and cycles, please contact us.

Cable fixation

Cable termination protection	For cable bend relief
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.70 - 3.90 mm

Cables

Cable PartNumber	Material	Colour	Cable image
CMN.07.T26.037QGZE	TPR (medical)	Grey	
7041	PVC	Grey	
7050	PVC	Black	

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