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Summary

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Number of contacts Low Voltage	10
Wire Size/AWG	34 - 28
Gender	Standard
Locking system	Push-pull
Size	1P
Suggested matching part	PLC.M1.0GL.LB
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pjc-m1-0aa-at38b.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	Solder
R (max)	8.5 mOhm
Insert configuration value	1P.M10 - 10 Low Voltage
Rated current	3 A
Test voltage contact-contact	1.2 (kV DC)
Max. Solid Conductor	0.09 mm ² (AWG 28)
Max. Stranded Conductor	0.09 mm ² (AWG 28)
Air clearance	0.55 mm
Creepage distance	0.55 mm
Bucket Dia.	0.45 mm (0.018in)
Contact Dia.	0.5 mm (0.0201in)
Wire Size/AWG	34 - 28
Gender	Standard

Form & Material

Shell style / Model id	PJ - Straight disposable plug
Housing material	ABS (Acrylonitrile Butadiene Styrene), white
Locking system	Push-pull
Keying	C: 2 keys (alpha=80, Plug: male contacts, Receptacle: female contacts)
Weight	5.34 g

Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	15 mating cycles
Temperature range	-30°C / +90°C
F ret (max)	150 N
F ret (min)	50 N

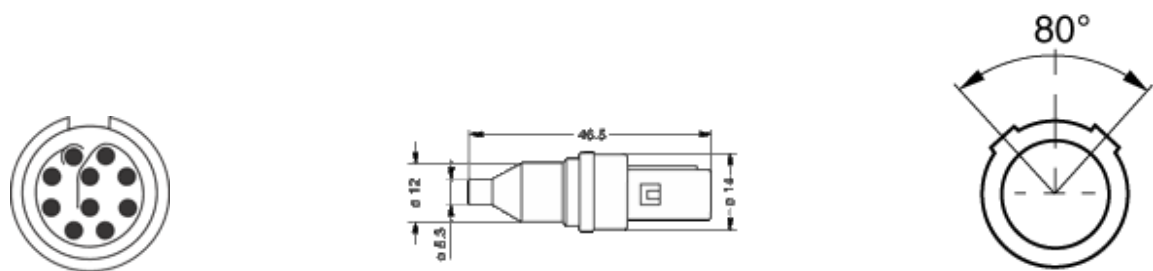
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Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet

Drawings



Dimensions

	A	B	C	L
mm.	14	12	5.3	46.5
in.	0.55	0.47	0.21	1.83