

Special



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Summary

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Number of contacts Low Voltage	5
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1P
Suggested matching part	PAG.M0.5TL.AC39N
Series	REDEL P - Push-Pull

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkg-m0-5tl-vn.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	5
Contact Termination Low voltage	PCB - Elbow
R (max)	4.5 mOhm
Insert configuration value	1P.M05 - 5 Low Voltage
Footprint IPC Class3 compatibility	Yes
Class3 Productibility Level Compatibility	A (General Design Producibility - Preferred)
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	7 A
Test voltage contact-contact	1.48 (kV DC)
Air clearance	0.8 mm
Creepage distance	0.8 mm
Contact Dia.	0.9 mm (0.0354in)
Gender	Standard

Form & Material

Shell style / Model id	PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	PEI (Polyetherimide), black
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Black
Variant	Black front nut
Weight	5.61 g

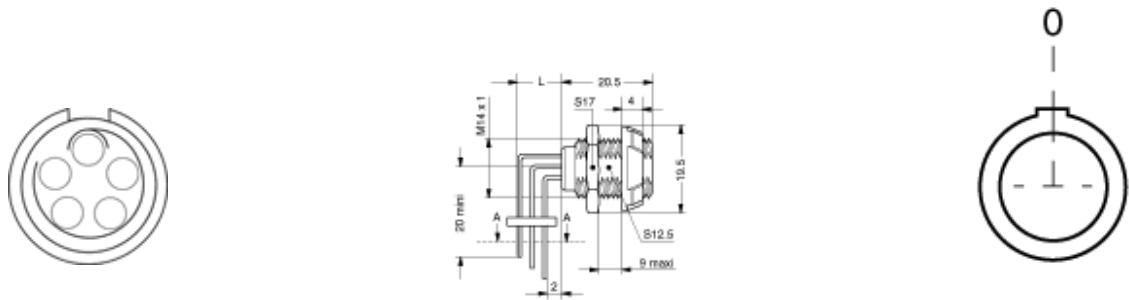
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Environment

Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV
Environmental sealing (IP rating)	IP50
Endurance	> 5000 mating cycles
Temperature range	-50°C / +170°C
F ret (max)	150 N
F ret (min)	50 N
Steam sterilization	Compiles with ISO 17665:2024 sterilization standard for autoclave, ISO 11135:2014 for EtO, and ISO 11137-1, -2, -3 standards for gamma, e-beam x-ray. For more details on sterilization methods and cycles, please contact us.

Drawings



Dimensions

	A	L	N
mm.	19.5	5.2-12.9	20.5
in.	0.77		0.81

Recommended By Lemo

Caps	
Compatible cap	PBG.200.BMV
Cap 2	PBG.201.BMV
Tools	
Spanner	POB.186.GN
Spanner 2	POP.125.GN

Documents

PCB Eagle

[Download](#)

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