

Standard



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Summary

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Number of contacts Low Voltage	10
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Size	1P
Suggested matching part	PAG.M1.0TL.AC39N
Series	REDEL P - Push-Pull

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Technical details

Electrical Configuration

Number of contacts Low Voltage	10
Contact Termination Low voltage	PCB - Straight
R (max) - electrical contact resistance	8.5 mOhm
Insert configuration value	1P.M10 - 10 Low Voltage
Footprint IPC Class3 compatibility	Contact LEMO for details
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated current	3 A
Test voltage (kV rms) Contact-contact	0.85
Air clearance	0.45 mm
Creepage distance	0.45 mm
Contact Dia.	0.5 mm (0.0197 in)
Gender	Standard

Form & Material

Shell style / Model id	PK - Fixed receptacle with two nuts (back panel mounting), straight print contacts
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	PEI (Polyetherimide), black
Locking system	Push-pull
Keying	1 key (alpha=0, Plug: male contact, Receptacle: female contact)
Colour	Black
Variant	Black front nut
Weight	5.33 g

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.

Recommended By Lemo

Caps

Compatible cap	PBG.200.BMV
Cap 2	PBG.201.BMV

Tools

Spanner	POB.186.GN
Spanner 2	POP.125.GN

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