



Summary

 Request a quote

 Catalog

 Low Voltage
 10

 Gender
 Standard

 Socket / Receptacle
 Socket / Receptacle - Fixed Panel Rear Mounted

 Locking system
 Push-pull

Size	1P	
Matching parts	PAG.M1.0GL.AC39Z	
Series	REDEL P - Push-Pull	

Technical details

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkg-m1-0gl-vz.html

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Electrical Configuration

Contact Type Print (elbow) Air clearance 0.45 mm Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 Gender Standard Form & Material Stendard Shell style / Model id PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C	Contact Termination Low voltage	PCB - Elbow	
Insulator L: PEEK (UL 94 / V-0/1.5) Rated current 3 Amps Test voltage (kV rms) Contact-contact 0.85 Contact Type Print (elbow) Air clearance 0.45 mm Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 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 PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Technical domain Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	R (max)	8.5 mOhm	
Rated current 3 Amps Test voltage (kV rms) Contact-contact 0.85 Contact Type Print (elbow) Air clearance 0.45 mm Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 Gender Standard Form & Material 5 Shell style / Model id PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Insert configuration value	1P.M10 - 10 Low Voltage	
Test voltage (kV rms) Contact-contact 0.85 Contact Type Print (elbow) Air clearance 0.45 mm Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 Gender Standard Form & Material PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Transportation, Aerospace and UAV Environmental protection (IP rating) IPS0 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Insulator	L: PEEK (UL 94 / V-0/1.5)	
Contact TypePrint (elbow)Air clearance0.45 mmCreepage distance0.45 mmContact Dia.0.5 mm (0.0201in)Low Voltage10GenderStandardForm & MaterialPK - Fixed receptacle with two nuts (back panel mounting), 90° print contactsSocket / ReceptacleFixed Panel Rear MountedHousing materialPSU (Polysulfone), grayLocking systemPush-pullKeying1 key (alpha=0, Plug: male contact, Receptacle: female contact)Variantwithout front nutWeight5.9 gEnvironmentTechnical domainTechnical domainEnergy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Rated current	3 Amps	
Air clearance 0.45 mm Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 Gender Standard Form & Material PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Shell style / Model id PK - Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N	Test voltage (kV rms) Contact-contact	0.85	
Creepage distance 0.45 mm Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 Gender Standard Form & Material F Shell style / Model id PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Contact Type	Print (elbow)	
Contact Dia. 0.5 mm (0.0201in) Low Voltage 10 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 PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N	Air clearance	0.45 mm	
Low Voltage10GenderStandardForm & MaterialShell style / Model idPK - Fixed receptacle with two nuts (back panel mounting), 90° print contactsSocket / ReceptacleFixed Panel Rear MountedHousing materialPSU (Polysulfone), grayLocking systemPush-pullKeying1 key (alpha=0, Plug: male contact, Receptacle: female contact)Variantwithout front nutWeight5.9 gEnvironmentEnergy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Creepage distance	0.45 mm	
Gender Standard Form & Material PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts Shell style / Model id PK - Fixed Panel Rear Mounted Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Contact Dia.	0.5 mm (0.0201in)	
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Silen Style / Model Id mounting), 90° print contacts Socket / Receptacle Fixed Panel Rear Mounted Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Form & Material		
Housing material PSU (Polysulfone), gray Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Shell style / Model id		
Locking system Push-pull Keying 1 key (alpha=0, Plug: male contact, Receptacle: female contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N	Socket / Receptacle	Fixed Panel Rear Mounted	
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Keying contact) Variant without front nut Weight 5.9 g Environment Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV Environmental protection (IP rating) IP50 Minimal temperature -50°C / +150°C F ret (max) 150 N F ret (min) 50 N	Locking system	Push-pull	
Weight5.9 gEnvironmentTechnical domainEnergy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Keying	1 key (alpha=0, Plug: male contact, Receptacle: female contact)	
EnvironmentTechnical domainEnergy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Variant	without front nut	
Technical domainEnergy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Weight	5.9 g	
Trechnical domainTransportation, Aerospace and UAVEnvironmental protection (IP rating)IP50Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Environment		
Minimal temperature-50°C / +150°CF ret (max)150 NF ret (min)50 N	Technical domain	Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV	
F ret (max) 150 N F ret (min) 50 N	Environmental protection (IP rating)	IP50	
F ret (min) 50 N	Minimal temperature	-50°C / +150°C	
	F ret (max)	150 N	
Steam sterilization > 100 times (with potting on rear connection)	F ret (min)	50 N	
	Steam sterilization	> 100 times (with potting on rear connection)	

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Cable fixation

Cable termination protection

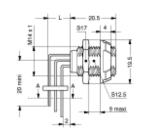
For cable bend relief

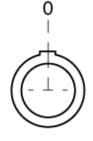
Fixation type

Cable collet

Drawings







Dimensions

	Α	L	Ν	
mm.	19.5	5.2-12.9	20.5	
in.	0.77		0.81	

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