



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 10 |
| Wire Size/AWG | 34 - 28 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
| Size | 1P |
| Suggested matching part | PAA.M1.0GL.AC39R |
| Series | REDEL P - Push-Pull |

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pka-m1-0gl-lr.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 |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| 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 | PK - Fixed receptacle with two nuts (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| Housing material | PSU (Polysulfone), grey |
| Locking system | Push-pull |
| Keying | A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts) |
| Colour | Grey - Red |
| Variant | Red front nut |
| Weight | 5.22 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 / +150°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. |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
|------------------------------------|-----------------|

Recommended By Lemo

Accessories

| | |
|----------------|-----------------------------|
| Compatible cap | PBG.200.BMV |
|----------------|-----------------------------|

Tools

| | |
|---------|----------------------------|
| Spanner | POB.186.GN |
|---------|----------------------------|

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.10.T28.052PGZE | | grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110280 | PVC | Black |  |

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