



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 32 - 24 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm |
| Size | 1P |
| Suggested matching part | PLA.M0.7GL.LG |
| Series | REDEL P - Push-Pull |

https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m0-7gl-ac65gz.html

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Technical details

Electrical Configuration

| | |
|---------------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 6.5 mOhm |
| Insert configuration value | 1P.M07 - 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 5 A |
| Test voltage (kV rms) Contact-contact | 1.05 |
| Contact Type | Solder |
| Max. Solid Conductor | 0.25 mm ² (AWG 24) |
| Max. Stranded Conductor | 0.14 mm ² (AWG 26) |
| Air clearance | 0.85 mm |
| Creepage distance | 0.85 mm |
| Bucket Dia. | 0.6 mm (0.024in) |
| Contact Dia. | 0.7 mm (0.0275in) |
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 32 - 24 |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | PA - Straight plug with cable collet and nut for fitting a bend relief |
| Plug | Straight |
| Housing material | PSU (Polysulfone), gray |
| Locking system | Push-pull |
| Keying | A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts) |
| Colour | Grey |
| Variant | Gray collet nut for bend relief |
| Weight | 5.12 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 | Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. For more details on sterilization methods and cycles, please contact us. |

Cable fixation

| | |
|------------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 270250 | PVC | Grey |  |

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