



## Summary

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|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 10                            |
| Wire Size/AWG                      | 34 - 28                       |
| Gender                             | Standard                      |
| Plug                               | Plug - Straight               |
| Locking system                     | Push-pull                     |
| Jacket cable outside diameter [mm] | 2.70 - 3.90 mm                |
| Size                               | 1P                            |
| Matching parts                     | <a href="#">PLA.M1.0GL.LG</a> |
| Series                             | REDEL P - Push-Pull           |

## Technical details

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/paa-m1-0gl-ac39g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m1-0gl-ac39g.html)

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## Electrical Configuration

|                                       |                               |
|---------------------------------------|-------------------------------|
| 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 Amps                        |
| Test voltage (kV rms) Contact-contact | 0.85                          |
| Contact Type                          | Solder                        |
| Max. Solid Conductor                  | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor               | 0.09 mm <sup>2</sup> (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)             |
| Number of contacts Low Voltage        | 10                            |
| Wire Size/AWG                         | 34 - 28                       |
| Gender                                | Standard                      |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | PA - Straight plug with cable collet                                |
| Plug                   | Straight  |
| Housing material       | PSU (Polysulfone), gray   |
| Locking system         | Push-pull   |
| Keying                 | 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts) |
| Variant                | Gray collet nut   |
| Weight                 | 4.61 g  |

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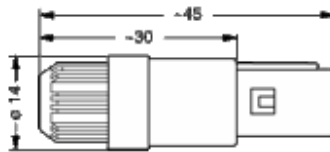
## Environment

|                                      |   |
|--------------------------------------|---|
| 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  |
| Steam sterilization                  | > 100 times (with potting on rear connection)   |

## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 2.70 - 3.90 mm                               |

## Drawings



[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/paa-m1-0gl-ac39g.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m1-0gl-ac39g.html)

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