



*Image for illustrative purpose only*

## Summary

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|                                    |                                                                   |
|------------------------------------|-------------------------------------------------------------------|
| Number of contacts Low Voltage     | 5                                                                 |
| Wire Size/AWG                      | 30 - 22                                                           |
| Gender                             | Standard                                                          |
| Plug                               | Plug - Straight                                                   |
| Locking system                     | Push-pull                                                         |
| Jacket cable outside diameter [mm] | 4.00 - 5.20 mm                                                    |
| Size                               | 1P                                                                |
| Suggested matching part            | <a href="#">PLG.M0.5GL.LA</a><br><a href="#">PRG.M0.5GL.LC52A</a> |
| Series                             | REDEL P - Push-Pull                                               |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pag-m0-5gl-ac52a.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pag-m0-5gl-ac52a.html)

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# Technical details

## Electrical Configuration

|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 5                             |
| Contact Termination Low voltage    | Solder                        |
| R (max)                            | 4.5 mOhm                      |
| Insert configuration value         | 1P.M05 - 5 Low Voltage        |
| Footprint IPC Class3 compatibility | No                            |
| Insulator                          | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                      | 7 A                           |
| Test voltage contact-contact       | 1.48 (kV DC)                  |
| Max. Solid Conductor               | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Air clearance                      | 0.8 mm                        |
| Creepage distance                  | 0.8 mm                        |
| Bucket Dia.                        | 0.8 mm (0.031in)              |
| Contact Dia.                       | 0.9 mm (0.035in)              |
| Wire Size/AWG                      | 30 - 22                       |
| Gender                             | Standard                      |

## Form & Material

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Shell style / Model id | PA - Straight plug with cable collet                                 |
| Plug                   | Straight                                                             |
| Housing material       | PSU (Polysulfone), grey                                              |
| Locking system         | Push-pull                                                            |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour                 | Grey - Blue                                                          |
| Variant                | Blue collet nut                                                      |
| Weight                 | 5.21 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

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 4.00 - 5.20 mm                               |

CAD

Documents

|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                           |
|--------------------|---------------|--------|---------------------------------------------------------------------------------------|
| CMN.05.T22.051QGZE | TPR (medical) | Grey   |  |
| 50090              | PVC           | Black  |                                                                                       |
| 50140              | PVC           | Grey   |  |