



*Image for illustrative purpose only*

## Summary

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|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts Low Voltage     | 8                             |
| Wire Size/AWG                      | 32 - 24                       |
| 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.M0.8GL.LG</a> |
| Series                             | REDEL P - Push-Pull           |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pag-m0-8gl-ac52gz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pag-m0-8gl-ac52gz.html)

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# Technical details

## Electrical Configuration

|                                       |                               |
|---------------------------------------|-------------------------------|
| Contact Termination Low voltage       | Solder                        |
| R (max)                               | 6.5 mOhm                      |
| Insert configuration value            | 1P.M08 - 8 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 <sup>2</sup> (AWG 24) |
| Max. Stranded Conductor               | 0.14 mm <sup>2</sup> (AWG 26) |
| Air clearance                         | 0.6 mm                        |
| Creepage distance                     | 0.6 mm                        |
| Bucket Dia.                           | 0.6 mm (0.024in)              |
| Contact Dia.                          | 0.7 mm (0.0275in)             |
| Number of contacts Low Voltage        | 8                             |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey                                                                   |
| Variant                | Gray collet nut for bend relief                                        |
| Weight                 | 5.28 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] | 4.00 - 5.20 mm        |

# Recommended By Lemo

## Tools

|         |                               |
|---------|-------------------------------|
| Spanner | <a href="#">DCP.91.001.TN</a> |
|---------|-------------------------------|

# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                           |
|--------------------|---------------|--------|---------------------------------------------------------------------------------------|
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |  |
| 108240             | PTFE          | White  |  |
| 108260             | PTFE          | White  |  |
| 8280               | PVC           | Black  |  |

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