

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.M0.5SL.LG</a> |
| Series                             | REDEL P - Push-Pull           |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pag-m0-5sl-ac52gz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pag-m0-5sl-ac52gz.html)

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# Technical details

## Electrical Configuration

|                                       |                               |
|---------------------------------------|-------------------------------|
| Contact Termination Low voltage       | Solder                        |
| R (max)                               | 4.5 mOhm                      |
| Insert configuration value            | 1P.M05 - 5 Low Voltage        |
| Insulator                             | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                         | 7 A                           |
| Test voltage (kV rms) Contact-contact | 1.05                          |
| Contact Type                          | Solder                        |
| 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)              |
| Number of contacts Low Voltage        | 5                             |
| Wire Size/AWG                         | 30 - 22                       |
| 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       | PEI (Polyetherimide), 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                 | 5.45 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 / +170°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.05.T22.051QGZE | TPR (medical) | Grey   |  |
| 50090              | PVC           | Black  |   |
| 50140              | PVC           | Grey   |  |

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