

Special



*Image for illustrative purpose only*

## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Number of contacts Low Voltage     | 4                          |
| Wire Size/AWG                      | 30 - 22                    |
| Gender                             | Standard                   |
| Socket / Receptacle                | Socket / Receptacle - Free |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 4.00 - 5.20 mm             |
| Size                               | 1P                         |
| Series                             | REDEL P - Push-Pull        |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/psg-m0-4yl-lc52gz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/psg-m0-4yl-lc52gz.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 4                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 4.5 mOhm                      |
| Insert configuration value              | 1P.M04 - 4 Low Voltage        |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 8 A                           |
| Test voltage contact-contact            | 1.7 (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                           | 1.2 mm                        |
| Creepage distance                       | 1.2 mm                        |
| Bucket Dia.                             | 0.8 mm (0.031 in)             |
| Contact Dia.                            | 0.9 mm (0.035 in)             |
| Wire Size/AWG                           | 30 - 22                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Shell style / Model id | PS - Free receptacle with cable collet and nut for fitting a bend relief (waterproof) |
| Socket / Receptacle    | Free                                                                                  |
| Housing material       | PSU (Polysulfone), black                                                              |
| Locking system         | Push-pull                                                                             |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                  |
| Colour                 | Black                                                                                 |
| Variant                | Grey collet nut for bend relief                                                       |
| Weight                 | 7.24 g                                                                                |

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## Environment

|                                   |                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| Technical domain                  | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP64                                                                                    |
| Endurance                         | > 5000 mating cycles                                                                    |
| F ret (max)                       | 150 N                                                                                   |
| F ret (min)                       | 50 N                                                                                    |

## 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

## Bend Reliefs

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| <a href="#">GMA.1B.040.RG</a> | <a href="#">GMA.1B.045.RG</a> | <a href="#">GMA.1B.040.RA</a> |
| <a href="#">GMA.1B.045.RA</a> | <a href="#">GMA.1B.040.RB</a> | <a href="#">GMA.1B.045.RB</a> |
| <a href="#">GMA.1B.040.RJ</a> | <a href="#">GMA.1B.045.RJ</a> | <a href="#">GMA.1B.040.RM</a> |
| <a href="#">GMA.1B.045.RM</a> | <a href="#">GMA.1B.040.RN</a> | <a href="#">GMA.1B.045.RN</a> |
| <a href="#">GMA.1B.040.RR</a> | <a href="#">GMA.1B.045.RR</a> | <a href="#">GMA.1B.040.RS</a> |
| <a href="#">GMA.1B.045.RS</a> | <a href="#">GMA.1B.040.RV</a> | <a href="#">GMA.1B.045.RV</a> |

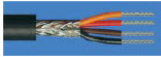
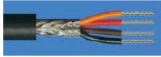
## Tools

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

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                          |
|--------------------|---------------|--------|--------------------------------------------------------------------------------------|
| CMN.04.T22.047QGC  | TPR           | Grey   |                                                                                      |
| CMN.04.T22.048QGZE | TPR (medical) | Grey   |   |
| 140240             | PVC           | Black  |   |
| 140250             | PVC           | Grey   |   |
| 40140              | PVC           | Black  |   |
| 40260              | PVC           | Black  |   |
| 4080               | PVC           | Grey   |                                                                                      |
| 4221               | PVC           | Black  |   |
| 4280               | PVC           | Black  |  |
| 80080              | PVC           | Grey   |                                                                                      |
| 80082              | PVC           | Red    |                                                                                      |
| 80084              | PVC           | Black  |                                                                                      |

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