

[Standard](#)

*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] | 5.30 - 6.50 mm                                                     |
| Size                               | 1P                                                                 |
| Suggested matching part            | <a href="#">PLA.M0.8GL.LG</a><br><a href="#">PRA.M0.8GL.LC65GZ</a> |
| Series                             | REDEL P - Push-Pull                                                |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/paa-m0-8gl-ac65gz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/paa-m0-8gl-ac65gz.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 8                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 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 contact-contact            | 1.48 (kV DC)                  |
| 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 (0.024 in)             |
| Contact Dia.                            | 0.7 mm (0.028 in)             |
| 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), grey                                                |
| Locking system         | Push-pull                                                              |
| Keying                 | A: 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts) |
| Colour                 | Grey                                                                   |
| Variant                | Grey collet nut for bend relief                                        |
| Weight                 | 5.24 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm        |

# Recommended By Lemo

## Bend Reliefs

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| <a href="#">GMA.1B.051.RG</a> | <a href="#">GMA.1B.057.RG</a> | <a href="#">GMA.1B.051.RA</a> |
| <a href="#">GMA.1B.057.RA</a> | <a href="#">GMA.1B.051.RB</a> | <a href="#">GMA.1B.057.RB</a> |
| <a href="#">GMA.1B.051.RJ</a> | <a href="#">GMA.1B.057.RJ</a> | <a href="#">GMA.1B.051.RM</a> |
| <a href="#">GMA.1B.057.RM</a> | <a href="#">GMA.1B.051.RN</a> | <a href="#">GMA.1B.057.RN</a> |
| <a href="#">GMA.1B.051.RR</a> | <a href="#">GMA.1B.057.RR</a> | <a href="#">GMA.1B.051.RS</a> |
| <a href="#">GMA.1B.057.RS</a> | <a href="#">GMA.1B.051.RV</a> | <a href="#">GMA.1B.057.RV</a> |

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# Cables

| Cable PartNumber | Material | Colour | Cable image                                                                         |
|------------------|----------|--------|-------------------------------------------------------------------------------------|
| 16080            | PVC      | Grey   |                                                                                     |
| 180260           | PVC      | Black  |  |
| 280250           | PVC      | Grey   |  |
| 335990           | PVC      | Black  |  |
| 335991           | PVC      | Black  |  |
| 42265            | PVC      | Yellow |                                                                                     |
| 80140            | PVC      | Grey   |  |