

[Standard](#)

*Image for illustrative purpose only*

## Summary

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|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage     | 2                                              |
| Wire Size/AWG                      | 28 - 20                                        |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                |
| Size                               | 1P                                             |
| Suggested matching part            | <a href="#">PAA.M0.2GL.AC39G</a>               |
| Series                             | REDEL P - Push-Pull                            |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pka-m0-2gl-lg.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pka-m0-2gl-lg.html)

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# Technical details

## Electrical Configuration

|                                         |                              |
|-----------------------------------------|------------------------------|
| Number of contacts Low Voltage          | 2                            |
| Contact Termination Low voltage         | Solder                       |
| R (max) - electrical contact resistance | 3.5 mOhm                     |
| Insert configuration value              | 1P.M02 - 2 Low Voltage       |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                           | 10 A                         |
| Test voltage contact-contact            | 1.7 (kV DC)                  |
| Max. Solid Conductor                    | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor                 | 0.5 mm <sup>2</sup> (AWG 20) |
| Air clearance                           | 1.3 mm                       |
| Creepage distance                       | 1.3 mm                       |
| Bucket Dia.                             | 1.1 mm (0.043 in)            |
| Contact Dia.                            | 1.3 mm (0.051 in)            |
| Wire Size/AWG                           | 28 - 20                      |
| Gender                                  | Standard                     |

## Form & Material

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Shell style / Model id | PK - Fixed receptacle with two nuts (back panel mounting)              |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                               |
| 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 front nut                                                         |
| Weight                 | 4.59 g                                                                 |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pka-m0-2gl-ig.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pka-m0-2gl-ig.html)

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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

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm |
|------------------------------------|-----------------|

# Recommended By Lemo

## Caps

|                |                             |
|----------------|-----------------------------|
| Compatible cap | <a href="#">PBG.200.BMV</a> |
| Cap 2          | <a href="#">PBG.201.BMV</a> |

## Tools

|           |                            |
|-----------|----------------------------|
| Spanner   | <a href="#">POB.186.GN</a> |
| Spanner 2 | <a href="#">POP.125.GN</a> |

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.02.T20.047PGZE |               | grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |    |
| CMN.02.T28.030PGZE |               | grey   |    |
| CMN.02.T28.030PNCE | PVC           | Black  |    |
| CMN.02.T28.030PNZE |               |        |    |
| 102080             | PVC           | Grey   |                                                                                     |
| 120184             | PVC           | Black  |    |
| 120240             | PVC           | Black  |    |
| 120250             | PVC           | Grey   |    |
| 120500             | PVC           | Grey   |    |
| 120501             | PVC           | Grey   |    |
| 120751             | PVC           | Grey   |    |
| 20140              | PVC           | Grey   |    |
| 20140              | PVC           | Grey   |   |
| 20141              | PVC           | Grey   |  |
| 20142              | PVC           | Red    |  |
| 20143              | PVC           | Green  |  |
| 20144              | PVC           | Black  |  |
| 20145              | PVC           | Yellow |  |
| 20146              | PVC           | Black  |  |
| 20240              | PTFE          | White  |  |
| 20260              | PVC           | Black  |  |
| 20264              | PVC           | Black  |  |
| 20266              | PVC           | Violet |  |
| 2050               | PVC           | Black  |  |
| 20550              | PUR           | Black  |  |
| 20560              | PUR           | White  |  |
| 2080               | PVC           | Grey   |                                                                                     |
| 220750             | PVC           | Grey   |  |
| 2221               | PVC           | Black  |  |
| 2260               | PTFE          | White  |  |
| 2280               | PVC           | Black  |  |
| 4082               | PVC           | Grey   |                                                                                     |
| CMB.02.210.635     | PUR           | Black  |                                                                                     |

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