

Special



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## Summary

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|                                    |                                                                      |
|------------------------------------|----------------------------------------------------------------------|
| Number of contacts Low Voltage     | 14                                                                   |
| Wire Size/AWG                      | 34 - 28                                                              |
| Gender                             | Standard                                                             |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted                      |
| Locking system                     | Push-pull                                                            |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                                      |
| Size                               | 1P                                                                   |
| Suggested matching part            | <a href="#">PAB.M1.4GL.AC39Z</a><br><a href="#">PAB.M1.4GL.AC52Z</a> |
| Series                             | REDEL P - Push-Pull                                                  |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pkb-m1-4gl-lz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkb-m1-4gl-lz.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 14                            |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 8.5 mOhm                      |
| Insert configuration value              | 1P.M14 - 14 Low Voltage       |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 2 A                           |
| Test voltage contact-contact            | 0.85 (kV DC)                  |
| Max. Solid Conductor                    | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor                 | 0.09 mm <sup>2</sup> (AWG 28) |
| Air clearance                           | 0.5 mm                        |
| Creepage distance                       | 0.5 mm                        |
| Bucket Dia.                             | 0.45 mm (0.018 in)            |
| Contact Dia.                            | 0.5 mm (0.0197 in)            |
| Wire Size/AWG                           | 34 - 28                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Shell style / Model id | PK - Fixed receptacle without front nut                                |
| Socket / Receptacle    | Fixed Panel Front Mounted                                              |
| Housing material       | PSU (Polysulfone), grey                                                |
| Locking system         | Push-pull                                                              |
| Keying                 | B: 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts) |
| Variant                | without front nut                                                      |
| Weight                 | 5.19 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

|                                    |                 |
|------------------------------------|-----------------|
| 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> |

# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                           |
|--------------------|---------------|--------|---------------------------------------------------------------------------------------|
| CMN.14.T28.056PGZE |               | grey   |  |
| CMN.14.T28.056PNZE |               |        |  |
| CMN.14.T28.056QGZE | TPR (medical) | Grey   |  |

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