



*Image for illustrative purpose only*

## Summary

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[P series catalog](#)

|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 6   |
| Wire Size/AWG                      | 32 - 24   |
| 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  |
| Series                             | REDEL P - Push-Pull                             |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pnb-m0-6sl-lg.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pnb-m0-6sl-lg.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 6                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.5 mOhm                      |
| Insert configuration value      | 1P.M06 - 6 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 6 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                   | 0.85 mm                       |
| Creepage distance               | 0.85 mm                       |
| Bucket Dia.                     | 0.6 mm (0.024in)              |
| Contact Dia.                    | 0.7 mm (0.0275in)             |
| Wire Size/AWG                   | 32 - 24                       |
| Gender                          | Standard                      |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | PN - Fixed receptacle, nut fixing, watertight                          |
| Socket / Receptacle    | Fixed Panel Front Mounted  |
| Housing material       | PEI (Polyetherimide), grey   |
| Locking system         | Push-pull  |
| Keying                 | B: 2 keys (alpha=60, Plug: male contacts, Receptacle: female contacts) |
| Colour                 | Grey   |
| Variant                | Grey front nut   |
| Weight                 | 5.32 g   |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pnb-m0-6sl-ig.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pnb-m0-6sl-ig.html)

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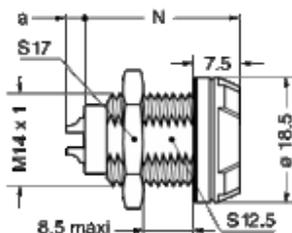
## Environment

|                                   |  |
|-----------------------------------|--|
| Technical domain                  | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV  |
| Environmental sealing (IP rating) | IP64   |
| Endurance                         | > 5000 mating cycles   |
| Temperature range                 | -50°C / +170°C   |
| F ret (max)                       | 150 N  |
| F ret (min)                       | 50 N   |
| Steam sterilization               | Complies 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 |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | <b>N</b> | <b>a</b> |
|-----|----------|----------|
| mm. | 23.3     | 2.5-4.5  |
| in. | 0.92     |          |

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# Recommended By Lemo

## Accessories

Compatible cap

[PBG.200.BMV](#)

## Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.06.T26.037QGZE | TPR (medical) | Grey   |    |
| CMN.06.T28.031PGCE | PVC           | GREY   |    |
| CMN.06.T28.031PGZE |               | grey   |    |
| CMN.06.T28.031PNCE | PVC           | Black  |    |
| CMN.06.T28.031PNZE |               |        |    |
| CMN.06.T28.042QBCE | TPR (medical) |        |   |
| CMN.06.T28.044PGZE |               | grey   |  |
| CMN.06.T28.044PNZE |               |        |  |
| 106240             | PTFE          | White  |  |
| 12080              | PVC           | Grey   |   |
| 160140             | PVC           | Grey   |  |
| 160260             | PVC           | Black  |  |
| 260250             | PVC           | Grey   |  |
| 60260              | PTFE          | White  |  |
| 6280               | PVC           | Black  |  |

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