



*Image for illustrative purpose only*

## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 10   |
| Wire Size/AWG                      | 34 - 28  |
| 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="#">PAG.M1.0SL.AC65G</a>               |
| Series                             | REDEL P - Push-Pull                            |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pkg-m1-0sl-lg.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkg-m1-0sl-lg.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 10                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.5 mOhm                      |
| Insert configuration value      | 1P.M10 - 10 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 3 A                           |
| Test voltage contact-contact    | 1.2 (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                   | 0.55 mm                       |
| Creepage distance               | 0.55 mm                       |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.0201in)             |
| Wire Size/AWG                   | 34 - 28                       |
| 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       | PEI (Polyetherimide), grey   |
| Locking system         | Push-pull  |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour                 | Grey   |
| Variant                | Grey front nut   |
| Weight                 | 5.31 g   |

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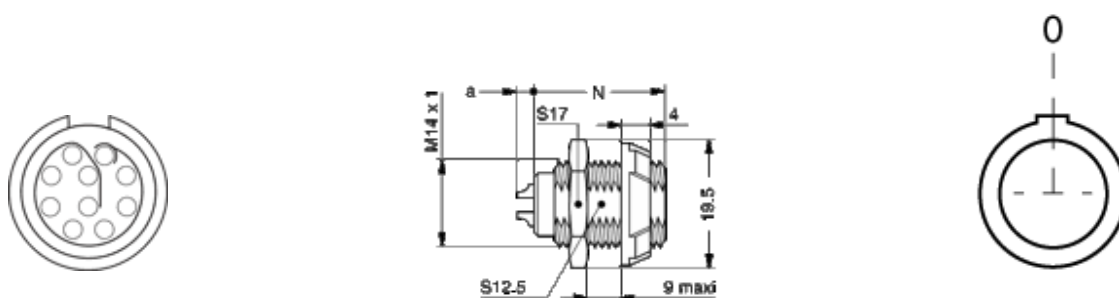
## Environment

|                                   |   |
|-----------------------------------|---|
| 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 / +170°C  |
| F ret (max)                       | 150 N   |
| F ret (min)                       | 50 N  |
| Steam sterilization               | Fully sterilizable (Steam, Gamma, ETO) following our protocols and tests in line with ISO 11134 and IEC 60601-1 standards. 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

|     | A    | a     | N         |
|-----|------|-------|-----------|
| mm. | 19.5 | 0-4.5 | 20.5-22.2 |
| in. | 0.77 |       |           |

# Recommended By Lemo

### Accessories

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





### Tools

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

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.10.T28.052PGZE |               | grey   |  |
| CMN.10.T28.052PNZE |               |        |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey   |  |
| 110280             | PVC           | Black  |  |

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