



## Summary

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|                                |                                                |
|--------------------------------|------------------------------------------------|
| Number of contacts Low Voltage | 14                                             |
| Gender                         | Standard                                       |
| Socket / Receptacle            | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                 | Push-pull                                      |
| Size                           | 1P                                             |
| Suggested matching part        | <a href="#">PAA.M1.4SL.AC52GZ</a>              |
| Series                         | REDEL P - Push-Pull                            |

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

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# Technical details

## Electrical Configuration

|                                       |                           |
|---------------------------------------|---------------------------|
| Contact Termination Low voltage       | PCB - Elbow               |
| R (max)                               | 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 (kV rms) Contact-contact | 0.6                       |
| Contact Type                          | Print (elbow)             |
| Air clearance                         | 0.5 mm                    |
| Creepage distance                     | 0.5 mm                    |
| Contact Dia.                          | 0.5 mm (0.0201in)         |
| Number of contacts Low Voltage        | 14                        |
| Gender                                | Standard                  |

## Form & Material

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Shell style / Model id | PK - Fixed receptacle with two nuts (back panel mounting), 90° print contacts |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                                      |
| Housing material       | PEI (Polyetherimide), gray                                                    |
| Locking system         | Push-pull                                                                     |
| Keying                 | 2 keys (alpha=40, Plug: male contacts, Receptacle: female contacts)           |
| Variant                | Gray front nut                                                                |
| Weight                 | 7.17 g                                                                        |

## Environment

|                                   |                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------|
| Technical domain                  | Energy and Industrial, Medical, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50                                                                                    |
| Temperature range                 | -50°C / +170°C                                                                          |
| F ret (max)                       | 150 N                                                                                   |
| F ret (min)                       | 50 N                                                                                    |
| Steam sterilization               | > 100 times (with potting on rear connection)                                           |

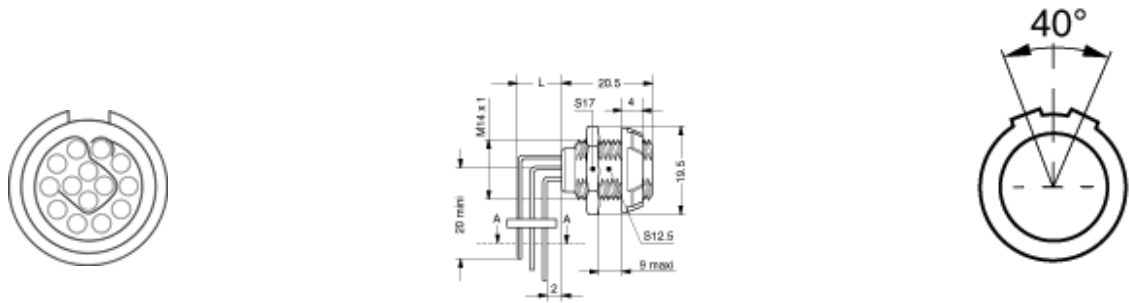
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Cable fixation

|                              |                                              |
|------------------------------|----------------------------------------------|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type                | Cable collet                                 |

Drawings



Dimensions

|     | A    | L        | N    |
|-----|------|----------|------|
| mm. | 19.5 | 5.2-12.9 | 20.5 |
| in. | 0.77 |          | 0.81 |

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