

Standard



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## Summary

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|                                    |                                                |
|------------------------------------|------------------------------------------------|
| Number of contacts Low Voltage     | 6                                              |
| Wire Size/AWG                      | 32 - 24                                        |
| 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.M0.6TL.AC39N</a>               |
| Series                             | REDEL P - Push-Pull                            |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pkg-m0-6tl-ln.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pkg-m0-6tl-ln.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 | PK - Fixed receptacle with two nuts (back panel mounting)            |
| Socket / Receptacle    | Fixed Panel Rear Mounted                                             |
| Housing material       | PEI (Polyetherimide), black                                          |
| Locking system         | Push-pull                                                            |
| Keying                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour                 | Black                                                                |
| Variant                | Black front nut                                                      |
| Weight                 | 4.73 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               | 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.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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