

[Standard](#)

*Image for illustrative purpose only*

## Summary

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|                                    |                               |
|------------------------------------|-------------------------------|
| Number of contacts High Voltage    | 3                             |
| Gender                             | Reverse Gender                |
| Plug                               | Plug - Straight               |
| Locking system                     | Push-pull                     |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm                |
| Size                               | 1P                            |
| Suggested matching part            | <a href="#">PKH.N0.3GL.AR</a> |
| Series                             | REDEL P - Push-Pull           |

[https://www.lemo.com/int\\_en/solutions/redel/redel-p-push-pull/pah-n0-3gl-lc65rz.html](https://www.lemo.com/int_en/solutions/redel/redel-p-push-pull/pah-n0-3gl-lc65rz.html)

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# Technical details

## Electrical Configuration

|                                         |                            |
|-----------------------------------------|----------------------------|
| Number of contacts High Voltage         | 3                          |
| Contact Termination High voltage        | Solder                     |
| R (max) - electrical contact resistance | 4.5 mOhm                   |
| Insert configuration value              | 1P.N03 - 3 High Voltage    |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)  |
| Rated current                           | 9 A                        |
| Test voltage contact-contact            | 4.81 (kV DC)               |
| Max. Solid Conductor                    | 1 mm <sup>2</sup> (AWG 18) |
| Max. Stranded Conductor                 | 1 mm <sup>2</sup> (AWG 18) |
| Air clearance                           | 2.00 mm                    |
| Creepage distance                       | 2.00 mm                    |
| Cable type                              | H07 RN-F                   |
| Bucket Dia.                             | 1.4 mm (0.055 in)          |
| Contact Dia.                            | 0.9 mm (0.035 in)          |
| Gender                                  | Reverse Gender             |

## Form & Material

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Shell style / Model id | PA - Straight plug with cable collet and nut for fitting a bend relief |
| Plug                   | Straight                                                               |
| Housing material       | PSU (Polysulfone), grey                                                |
| Locking system         | Push-pull                                                              |
| Keying                 | H: 2 keys (beta=170, plug: female contacts, receptacle: male contacts) |
| Colour                 | Grey - Red                                                             |
| Variant                | Red collet nut for bend relief                                         |
| Weight                 | 5.34 g                                                                 |

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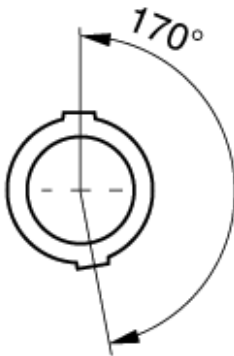
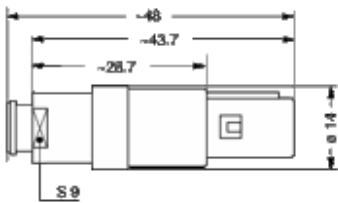
Environment

|                                   |                                                                                                                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm        |

Drawings



# Recommended By Lemo

| Bend Reliefs  |               |               |
|---------------|---------------|---------------|
| GMA.1B.051.RG | GMA.1B.057.RG | GMA.1B.051.RA |
| GMA.1B.057.RA | GMA.1B.051.RB | GMA.1B.057.RB |
| GMA.1B.051.RJ | GMA.1B.057.RJ | GMA.1B.051.RM |
| GMA.1B.057.RM | GMA.1B.051.RN | GMA.1B.057.RN |
| GMA.1B.051.RR | GMA.1B.057.RR | GMA.1B.051.RS |
| GMA.1B.057.RS | GMA.1B.051.RV | GMA.1B.057.RV |