

Standard



*Image for illustrative purpose only*

## Summary

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[REDEL SP series en](#)

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[Customer Drawing](#)

|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 6                            |
| Wire Size/AWG                      | 24 - 20                      |
| Gender                             | Standard                     |
| Plug                               | Plug - Straight              |
| Locking system                     | Push-pull                    |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm               |
| Size                               | SP                           |
| Suggested matching part            | <a href="#">SLN.M06.GLLG</a> |
| Series                             | REDEL SP - Inner Push-Pull   |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/san-m06-glc-6gz.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m06-glc-6gz.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 6                             |
| Contact Termination Low voltage         | Crimp                         |
| R (max) - electrical contact resistance | 4.5 mOhm                      |
| Insert configuration value              | SP.M06 - 6 Low V.             |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 8.5 A                         |
| Test voltage contact-contact            | 2.7 (kV DC)                   |
| Max. Conductor                          | 0.5 mm <sup>2</sup> (AWG 20)  |
| Min. Conductor                          | 0.25 mm <sup>2</sup> (AWG 24) |
| Air clearance                           | 1.5 mm                        |
| Creepage distance                       | 1.5 mm                        |
| Bucket Dia.                             | 1.1 mm (0.043 in)             |
| Contact Dia.                            | 0.9 mm (0.035 in)             |
| Wire Size/AWG                           | 24 - 20                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Shell style / Model id | SA/Z - Straight plug, key (N) or keys (P, S and T), with cable collet and nut for fitting a bend relief |
| Plug                   | Straight                                                                                                |
| Housing material       | Proprietary sulfone, grey                                                                               |
| Locking system         | Push-pull                                                                                               |
| Keying                 | 3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts)                            |
| Colour                 | Grey                                                                                                    |
| Variant                | Grey collet nut for bend relief                                                                         |
| Weight                 | 7.45 g                                                                                                  |

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## Environment

|                                   |                     |
|-----------------------------------|---------------------|
| Technical domain                  | Medical             |
| Environmental sealing (IP rating) | IP50                |
| Endurance                         | >5000 mating cycles |
| Temperature range                 | -50°C / +170°C      |
| Steam sterilization               | > 100 times         |

## Cable fixation

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

# Recommended By Lemo

## Contacts

|                     |                             |
|---------------------|-----------------------------|
| Replacement contact | <a href="#">SAN.535.ZZC</a> |
|---------------------|-----------------------------|

## Bend Reliefs

|                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| <a href="#">GMA.1B.051.RG</a> | <a href="#">GMA.1B.057.RG</a> | <a href="#">GMA.1B.063.RG</a> |
| <a href="#">GMA.1B.051.RA</a> | <a href="#">GMA.1B.057.RA</a> | <a href="#">GMA.1B.063.RA</a> |
| <a href="#">GMA.1B.051.RB</a> | <a href="#">GMA.1B.057.RB</a> | <a href="#">GMA.1B.063.RB</a> |
| <a href="#">GMA.1B.051.RJ</a> | <a href="#">GMA.1B.057.RJ</a> | <a href="#">GMA.1B.063.RJ</a> |
| <a href="#">GMA.1B.051.RM</a> | <a href="#">GMA.1B.057.RM</a> | <a href="#">GMA.1B.063.RM</a> |
| <a href="#">GMA.1B.051.RN</a> | <a href="#">GMA.1B.057.RN</a> | <a href="#">GMA.1B.063.RN</a> |
| <a href="#">GMA.1B.051.RR</a> | <a href="#">GMA.1B.057.RR</a> | <a href="#">GMA.1B.063.RR</a> |
| <a href="#">GMA.1B.051.RS</a> | <a href="#">GMA.1B.057.RS</a> | <a href="#">GMA.1B.063.RS</a> |
| <a href="#">GMA.1B.051.RV</a> | <a href="#">GMA.1B.057.RV</a> | <a href="#">GMA.1B.063.RV</a> |

## Tools

|             |                              |
|-------------|------------------------------|
| Positionner | <a href="#">SOE.090.VC</a>   |
| Crimp tool  | <a href="#">DPC.91.701.V</a> |

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.06.T20.062PGZE |               | grey   |  |
| CMN.06.T20.062PNZE |               |        |  |
| CMN.06.T20.062QGZE | TPR (medical) | Grey   |  |
| 106220             | PVC           | Black  |  |
| 12080              | PVC           | Grey   |                                                                                     |
| 160240             | PVC           | Black  |  |
| 260250             | PVC           | Grey   |  |

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