

[Standard](#)

*Image for illustrative purpose only*

## Summary

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|                                    |   |
|------------------------------------|---|
| Number of contacts Low Voltage     | 6   |
| Wire Size/AWG                      | 30 - 22   |
| 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="#">SKN.M06.GLLG</a><br><a href="#">SRN.M06.GLL.6GZ</a> |
| Series                             | REDEL SP - Inner Push-Pull                                      |

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

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 6                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 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    | 2.2 (kV DC)                   |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor         | 0.34 mm <sup>2</sup> (AWG 22) |
| Air clearance                   | 1.2 mm                        |
| Creepage distance               | 1.2 mm                        |
| Bucket Dia.                     | 0.8 mm (0.032in)              |
| Contact Dia.                    | 0.9 mm (0.0354in)             |
| Wire Size/AWG                   | 30 - 22                       |
| 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                 | 6.24 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


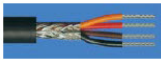

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 5.30 - 6.50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

# CAD

## Documents

Eplan [Download](#)

# Cables

| Cable PartNumber | Material | Colour | Cable image   |
|------------------|----------|--------|---|
| 106220           | PVC      | Black  |  |
| 12080            | PVC      | Grey   |   |
| 160240           | PVC      | Black  |  |
| 260250           | PVC      | Grey   |  |

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