



*Image for illustrative purpose only*

## Summary

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|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 10                           |
| 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.M10.GLLG</a> |
| Series                             | REDEL SP - Inner Push-Pull   |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/san-m10-gla-6g.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m10-gla-6g.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 10                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 6.5 mOhm                      |
| Insert configuration value      | SP.M10 - 10 Low V.            |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 4.2 A                         |
| Test voltage contact-contact    | 1.65 (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                   | 0.7 mm                        |
| Creepage distance               | 0.7 mm                        |
| Bucket Dia.                     | 0.8 mm (0.032in)              |
| Contact Dia.                    | 0.7 mm (0.028in)              |
| Wire Size/AWG                   | 30 - 22                       |
| Gender                          | Standard                      |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | SA - Straight plug, key (N) or keys (P, S and T), with grey cable collet     |
| 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  |
| Weight                 | 6.36 g   |

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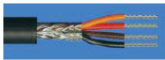


## Environment

|                                   |                     |
|-----------------------------------|---------------------|
| 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm                               |

# Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.10.T28.053QGZE | TPR (medical) | Grey   |    |
| 110240             | PTFE          | White  |   |
| 110280             | PVC           | Black  |  |
| 210140             | PVC           | Grey   |  |
| 210260             | PVC           | Black  |  |

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