

[Standard](#)

*Image for illustrative purpose only*

## Summary

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|                                    |                                                                |
|------------------------------------|----------------------------------------------------------------|
| Number of contacts Low Voltage     | 4                                                              |
| Wire Size/AWG                      | 28 - 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="#">SRN.M04.GLL.6G</a><br><a href="#">SKN.M04.GLLG</a> |
| Series                             | REDEL SP - Inner Push-Pull                                     |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/san-m04-gla-6g.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/san-m04-gla-6g.html)

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# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 4                             |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 2.8 mOhm                      |
| Insert configuration value              | SP.M04 - 4 Low V.             |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 11.5 A                        |
| Test voltage contact-contact            | 2.26 (kV DC)                  |
| Max. Solid Conductor                    | 0.50 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor                 | 0.50 mm <sup>2</sup> (AWG 20) |
| Air clearance                           | 0.95 mm                       |
| Creepage distance                       | 0.95 mm                       |
| Bucket Dia.                             | 1.1 mm (0.043 in)             |
| Contact Dia.                            | 1.3 mm (0.051 in)             |
| Wire Size/AWG                           | 28 - 20                       |
| 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                 | 5.44 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.04.T20.053PGZE |               | grey   |    |
| CMN.04.T20.053PNZE |               |        |   |
| CMN.04.T20.053QGZE | TPR (medical) | Grey   |  |
| 240500             | PVC           | Grey   |  |
| 417920             | PVC           | Grey   |  |
| 4220               | PVC           | Black  |  |
| CTR.75.030.121870G | PVC           | Grey   |  |

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