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## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 18   |
| Wire Size/AWG                      | 34 - 28  |
| Gender                             | Standard                                       |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system                     | Push-pull                                      |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                |
| Size                               | SP   |
| Suggested matching part            | <a href="#">SAN.M18.GLA.6G</a>                 |
| Series                             | REDEL SP - Inner Push-Pull                     |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/skn-m18-gllg.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/skn-m18-gllg.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 18                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.5 mOhm                      |
| Insert configuration value      | SP.M18 - 18 Low V.            |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 2.5 A                         |
| Test voltage contact-contact    | 1 (kV DC)                     |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Air clearance                   | 0.47 mm                       |
| Creepage distance               | 0.47 mm                       |
| Bucket Dia.                     | 0.45 mm (0.0177in)            |
| Contact Dia.                    | 0.5 mm (0.0196in)             |
| Wire Size/AWG                   | 34 - 28                       |
| Gender                          | Standard                      |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | SK_.SP - Fixed socket, key (N) or keys (P, S and T), with two nuts (back panel mounting), grey front nut |
| Socket / Receptacle    | Fixed Panel Rear Mounted   |
| 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 front nut   |
| Weight                 | 5.41 g   |

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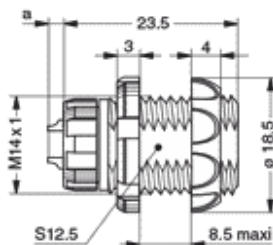
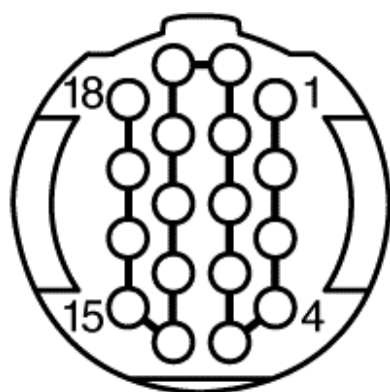
## Environment

|                                   |                     |
|-----------------------------------|---------------------|
| 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) |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                              |

## Drawings



## Dimensions

|     | a    | B    | N    | e     | E <sub>max</sub> |
|-----|------|------|------|-------|------------------|
| mm. | 2.2  | 18.5 | 23.5 | M14x1 | 8.5              |
| in. | 0.09 | 0.73 | 0.93 |       | 0.33             |

## Cables

| Cable PartNumber   | Material      | Colour | Cable image |
|--------------------|---------------|--------|-------------|
| CMN.18.T30.048QGZE | TPR (medical) | Grey   |             |
| 236080             | PVC           | Grey   |             |

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