

Special

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[REDEL SP series en](#)[Industry Brochure Medical](#)

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 13                                              |
| Wire Size/AWG                      | 30 - 22                                         |
| Gender                             | Standard                                        |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 12.60 mm                                 |
| Size                               | SP                                              |
| Series                             | REDEL SP - Inner Push-Pull                      |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 13                            |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 6.5 mOhm                      |
| Insert configuration value              | SP.M13 - 13 Low V.            |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 4 A                           |
| Test voltage contact-contact            | 1.5 (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                           | 0.5 mm                        |
| Creepage distance                       | 0.5 mm                        |
| Bucket Dia.                             | 0.8 mm (0.031 in)             |
| Contact Dia.                            | 0.7 mm (0.028 in)             |
| Wire Size/AWG                           | 30 - 22                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Shell style / Model id | SL_SP - Fixed socket, key (N) or keys (P, S and T), nut fixing, black front nut |
| Socket / Receptacle    | Fixed Panel Front Mounted                                                       |
| Housing material       | Proprietary sulfone, black                                                      |
| Locking system         | Push-pull                                                                       |
| Keying                 | 3 keys (alpha=0, gamma=60, plug: male contacts, receptacle: female contacts)    |
| Colour                 | Black                                                                           |
| Variant                | Black front nut                                                                 |
| Weight                 | 4.6 g                                                                           |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

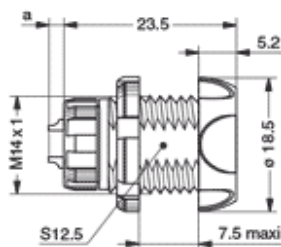
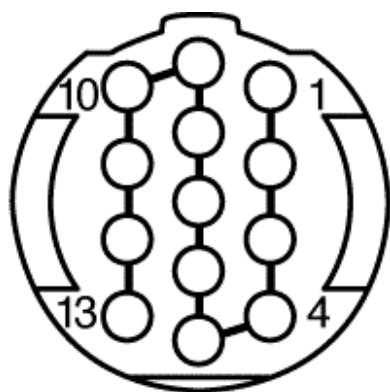
## Environment

|                                   |                     |
|-----------------------------------|---------------------|
| 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     |
|-----|------|------|------|-------|
| mm. | 2.2  | 18.5 | 23.5 | M14x1 |
| in. | 0.09 | 0.73 | 0.93 |       |

## Recommended By Lemo

### Caps

|                |                            |
|----------------|----------------------------|
| Compatible cap | <a href="#">SBZ.200.SN</a> |
|----------------|----------------------------|

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.13.T22.072QGZE | TPR (medical) | Grey   |  |

[https://www.lemo.com/int\\_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html](https://www.lemo.com/int_en/solutions/redel/redel-sp-inner-push-pull/slp-m13-nlln.html)

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.