

Standard



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## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Number of contacts Low Voltage     | 22                         |
| Wire Size/AWG                      | 34 - 28                    |
| Gender                             | Standard                   |
| Plug                               | Plug - Straight            |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 5.30 - 6.50 mm             |
| Size                               | SP                         |
| Series                             | REDEL SP - Inner Push-Pull |

# Technical details

## Electrical Configuration

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Number of contacts Low Voltage          | 22                            |
| Contact Termination Low voltage         | Solder                        |
| R (max) - electrical contact resistance | 8.5 mOhm                      |
| Insert configuration value              | SP.M22 - 22 Low V.            |
| Insulator                               | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                           | 2 A                           |
| Test voltage contact-contact            | 0.9 (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                           | 0.48 mm                       |
| Creepage distance                       | 0.48 mm                       |
| Bucket Dia.                             | 0.45 mm (0.018 in)            |
| Contact Dia.                            | 0.5 mm (0.0197 in)            |
| Wire Size/AWG                           | 34 - 28                       |
| Gender                                  | Standard                      |

## Form & Material

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| Shell style / Model id | SA - Straight plug, key (N) or keys (P, S and T), with white cable collet    |
| Plug                   | Straight                                                                     |
| Housing material       | Proprietary sulfone, white                                                   |
| Locking system         | Push-pull                                                                    |
| Keying                 | 3 keys (alpha=0, gamma=30, plug: male contacts, receptacle: female contacts) |
| Colour                 | White                                                                        |
| Variant                | White collet nut                                                             |
| Weight                 | 8.56 g                                                                       |

| 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.22.T30.054QGZE | TPR (medical) | Grey   |  |