



SP13 Connector Female Plug and Male Rear Nut  
Socket One Pair - 4 Pin

Part Number:

**SP1310-S4+SP1312-P4**

### Basic Information

|                 |                   |
|-----------------|-------------------|
| Connection Type | Docking Type      |
| Contacts        | 4 Pin             |
| Coupling        | Threaded Coupling |
| Orientation     | Straight          |
| Termination     | Solder            |

### Material Specification

|                  |                                         |
|------------------|-----------------------------------------|
| Contact Material | Brass with Gold Plating                 |
| Insert Material  | PPS                                     |
| Shell Material   | PA66                                    |
| Wire Gauge       | $\leq 0.785/18(\text{mm}^2/\text{AWG})$ |

### Electrical Specification

|                    |              |
|--------------------|--------------|
| Contact Resistance | 5 M $\Omega$ |
| Rated Current      | 5A           |
| Rated Voltage      | 250V         |
| Test Voltage       | 1500V(1min)  |

### Environmental Specification

|                       |                |
|-----------------------|----------------|
| Ingress Protection    | IP68           |
| Operating Temperature | -40°C ~ + 85°C |

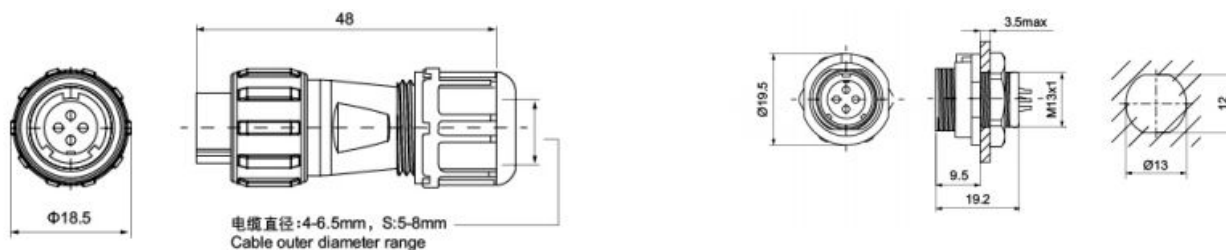
### Mechanical Specification

|                      |                   |
|----------------------|-------------------|
| Mechanical Operation | 500 Mating Cycles |
|----------------------|-------------------|

## Contact Layout

| 芯数<br>Number of contact            | 2                                                                                 | 3                                                                                 | 4                                                                                 | 5                                                                                 | 6                                                                                   | 7                                                                                   | 9                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 公端绝缘体正面图<br>Male contact face view |  |  |  |  |  |  |  |

## Size



## How to Order

|                 |                   |                                 |
|-----------------|-------------------|---------------------------------|
| SP1310 / P      | SP1310 / S        | 电缆外径 Cable outer diameter range |
| 插针 Male contact | 插孔 Female contact | I: 4-6.5mm(不标), II: 5-8mm       |
|                 |                   | 芯数 Number of contact            |

## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.